THE UNIVERSITY OF SYDNEY

UNDERGRADUATE GUIDE 2015

WELCOME
TO THE UNIVERSITY OF SYDNEY

When I tell you the University of Sydney is a superb place to learn and grow, I'm not just speaking as its vice-chancellor. I'm also talking as a parent – my own children study here – and I am a former student myself.

The University has changed a lot in the 30 years since I studied here, but its finest qualities remain and these qualities are what drew me back. Two of them stand out.

First, our unashamed devotion to excellence in service to the community. We make things happen; we make lives better.

Second is the vision we were built on: that education should be accessible to all students of promise, regardless of their background. It's a principle encoded into the very DNA of this university.

I invite you to visit us, discover our courses, meet our amazing people and, most importantly, begin to discover what you can do with your own potential.

Dr Michael Spence
Vice-Chancellor and Principal

MORE ONLINE

Explore our website to learn more about us: **sydney.edu.au/future-students**

You can also connect with us through social media:

facebook.com/sydneyuni **twitter.com/Sydney_Uni** **youtube.com/uniofsydney**

CONTENTS

ABOUT THE UNIVERSITY
02 Welcome to Sydney
04 Our students
07 Our teachers
08 Say hello to uni life
09 Get sporty
10 Global opportunities
11 Real-world research

WHAT CAN I STUDY
12 Course index
14 Agriculture and environment
15 Architecture, design and planning
16 Arts and social sciences
17 Business
18 Dentistry
19 Education and social work
20 Engineering, project management and information technologies
22 Health sciences
23 Law
24 Medicine
25 Music
26 Nursing
27 Pharmacy
28 Science
30 Veterinary science
31 Visual arts

COURSE INFORMATION
33 Detailed course list

ENTRY AND APPLICATIONS
42 Access Sydney – alternative pathways
43 Course-specific application requirements

COSTS AND SCHOLARSHIPS
45 Centrelink assistance
45 Scholarships
46 Course fees
47 Student Services and Amenities fee
47 Bursaries and loans

SUPPORTING OUR STUDENTS
48 Accommodation
48 Academic support
48 Disability services
48 Health and wellbeing
49 Counselling and personal development
49 Spiritual support
49 Aboriginal and Torres Strait Islander support
49 Child care information
51 Get career centred

STEP-BY-STEP
52 How to apply
53 Enrolment and orientation

IMPORTANT DATES

2014

26 JUNE
Scholarships information evening

30 AUGUST
University of Sydney Open Day

30 SEPTEMBER
On-time applications close, through the Universities Admissions Centre (UAC)

Applications close for most University of Sydney scholarships.

2015

6 JANUARY
University of Sydney Info Day

7 JANUARY
Last date for change of preferences through UAC main round

21 JANUARY
Main round offers released online

23 TO 27 FEBRUARY
Orientation Week

2 MARCH
Semester One begins

Dates are subject to change. For the most current information, please check our website: **sydney.edu.au/dates**

WELCOME TO SYDNEY

Prepare to make your mark on the world. Inspirational people and possibilities are yours to discover at the University of Sydney.

"Being right in the heart of Sydney, you are so close to everything: the cafès of Glebe, the shops of Newtown. There's a real sense of energy and life."

JULIAN DAY
MASTER OF FINE ARTS

Ranked among the top 100 universities in the world and the top four in Australia, the University of Sydney is more than just a place where you'll build the foundations of your future career. It's where you'll find challenges and opportunities that will extend far beyond the classroom and shape the rest of your life.

When you study here, you'll join a community of students who are both interesting and interested. You'll be part of an environment where tradition and reputation fuse with a progressive and active outlook on the world.

Our teachers are world leaders in their fields. The curricula they teach are informed by their research, in which they are also improving lives beyond the University, addressing issues such as health epidemics, climate change global security and the pressures of urbanisation. They are developing cleaner fuels, fighting chronic disease, building smarter systems and more sustainable homes.

We're proud to offer our students access to the exceptional facilities offered by our multidisciplinary research and teaching centres. The flagship example is our Charles Perkins Centre, a hub of brilliant scholars united in the search for solutions to obesity, diabetes and cardiovascular disease.

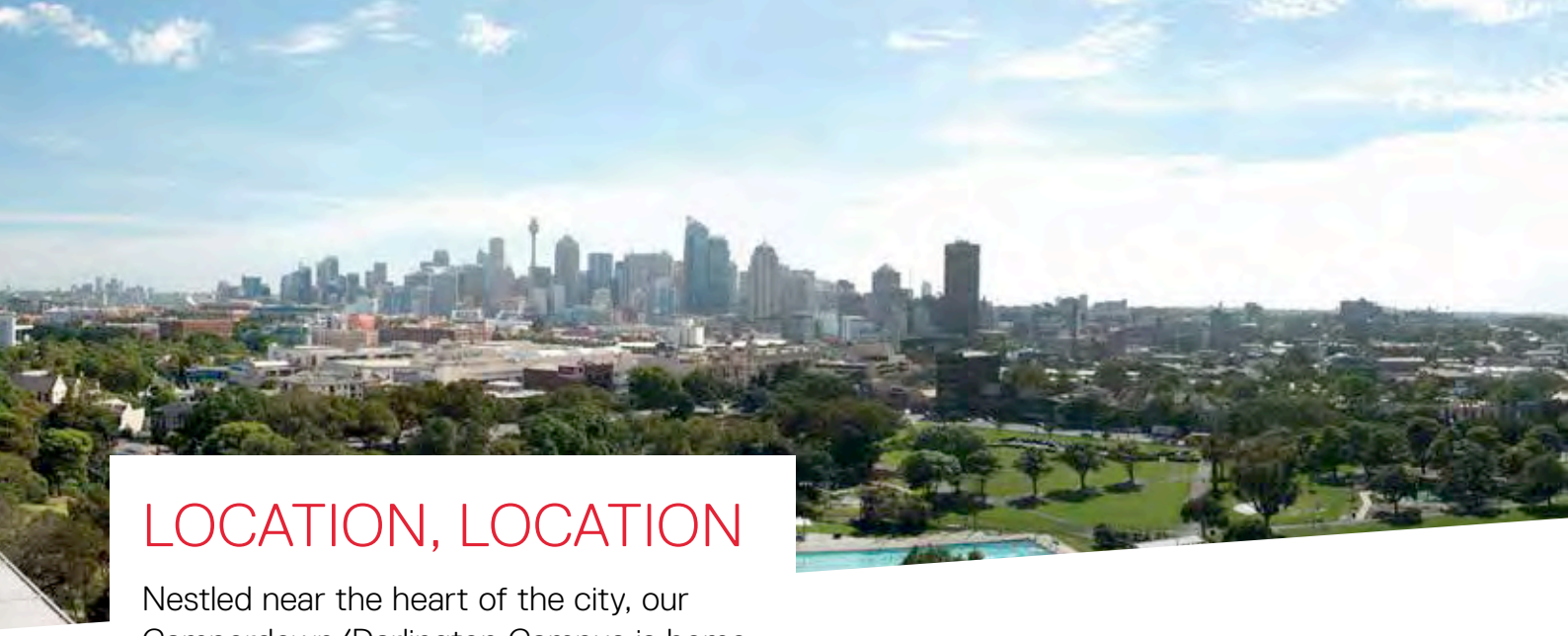
We also host the Sydney Environment Institute; the Centre for Carbon, Water and Food; the Marie Bashir Institute for Infectious Diseases and Biosecurity; the China Studies Centre; the Sydney Southeast Asia Centre; and the John Grill Centre for Project Leadership.

Whatever your field of interest, at Sydney, you'll have everything you need to excel. Your resources include state-of-the-art technical, computing and research facilities, dedicated teaching hospitals, research farms, laboratories, extensive museums and libraries.

We offer the widest range of academic programs of any Australian university, and will put you in touch with a world of possibilities through our global network of connections with industry, other educators, and alumni communities.

Outside the classroom, life is just as dynamic. We are home to hundreds of clubs and societies spanning everything from geoscience to ghost hunting, and even Quidditch! You can also enjoy our sports fields, facilities and gyms.

With bands, bars, cafès and campus events including the International Festival, Verge Festival, and our renowned Sydney Ideas talks, life at the University of Sydney is exciting, ever changing, and full of possibilities.



LOCATION, LOCATION

Nestled near the heart of the city, our Camperdown/Darlington Campus is home to most of our faculties and schools.

The Camperdown/Darlington campus is like a small town. It even has its own postcode, and facilities such as banks, pharmacies, bookshops, a post office, hairdresser, sports medical clinic, and an allied health care service including GPs, a dental clinic and optometrist.

There are also cafès and bars where you can meet up with friends, as well as a free campus bus to get you around safely at night.

The Camperdown Campus is home to the Fisher Library and many innovative teaching and research facilities.

From the Camperdown Campus, it's just a 10-minute bus ride to central Sydney, or a 15-minute walk to Redfern train station, a major public transport hub.

Some of our faculties have specialist teaching areas in other parts of New South Wales. For example, the Faculty of Agriculture and Environment and the Faculty of Veterinary Science are based on the main campus, but make use of the extensive farms and research units at Camden (65km southwest of the Sydney CBD).

Other faculties have dedicated campuses. Sydney College of the Arts is housed in a precinct of Victorian buildings in Rozelle. Our students at the Sydney Conservatorium of Music learn in a heritage building in the Royal Botanic Gardens, very close to the Sydney Opera House.

Our Business School's CBD campus is a convenient, central location for students in the heart of the city's business district.

Nearby is our Faculty of Dentistry, based in Surry Hills opposite Central train station.

The Faculty of Health Sciences has modern laboratories and state-of-the-art training facilities at its dedicated Cumberland Campus, a short bus trip from Lidcombe train station.

sydney.edu.au/maps

"I first became enamoured with the University's rich and vibrant culture at Info Day, and decided this was the place to be – not only to become a good student but also a well-rounded person. I've gained invaluable knowledge and confidence, from hosting shows like O-Week and TEDxYouth@Sydney to running campus events like Verge Festival and writing for the magazine Honi Soit. *These experiences were incredibly rewarding."*

JAMES COLLEY
BACHELOR OF SCIENCE/ARTS

OUR STUDENTS

More than 50,000 students call the University of Sydney home. Our vibrant student body is a wonderfully diverse community, including more than 10,000 students from 145 countries. It's a truly inclusive and welcoming environment.

Our students come from a vast spectrum of social and cultural backgrounds. Together, they form a student body with wide-ranging interests, talents and perspectives.

Here at Sydney, you'll be part of a culture focused on lifelong learning where you're certain to meet new friends who share your interests, or introduce you to new ones. Many of these friendships will be ongoing, and some of your fellow students could one day become colleagues.

Your teachers and classmates will challenge and encourage you. They will play an important role in your learning experience, bringing a vital extra dimension to your studies.

You can look forward to making new discoveries both in and outside the lecture theatre as you take part in team projects, study groups and a host of extracurricular pursuits such as sporting activities, clubs and social events.

University life is what you make it. With the array of opportunities available to you both on- and off-campus, there's an almost inexhaustible supply of things to enjoy.

A MEETING OF MINDS

Despite going to different high schools and having very different fields of interest, twins William and Philip Chan (above) both decided to move interstate to study among like minds and industry leaders at the University of Sydney.

Philip Chan (pictured left) is studying a combined Bachelor of Arts (Media and Communications) and Bachelor of Laws. William Chan (right) is in the honours year of his Bachelor of Design in Architecture.

The pair, who grew up in Brisbane, chose the University of Sydney because of its global reputation, generous scholarships and breadth of subjects.

"University should be an adventure," says William. "Sydney Uni is full of life and excitement. It attracts students who are not only interesting, but interested in being the best they can be."

William says his degree has helped develop his passion for humanitarian architecture through practical, real-world opportunities to work on installations for Vivid Sydney and the Venice Biennale.

Philip says his course has introduced him to diverse ideas and viewpoints as well as unique, challenging experiences like writing for the *Sydney Morning Herald* and reporting amid the hustle and bustle of Seoul on a University internship.

Outside the lecture theatre, the twins are both closely involved in clubs and societies such as the Model United Nations, the Rock Climbing and Mountaineering Club and the Surfing Society.

"Uni life is what you make it. There's always something to sign up to and get involved in on campus," Philip says.

"Our studies and friendships at uni have taken us further afield then we could ever have imagined."

"Growing up amid a civil war in Sri Lanka, who would have thought that today I'd be completing my PhD at one of the world's top universities. I'm proud to be a student at the University of Sydney, and still in awe of all the inspiring people I've met here, on this eight-year journey."

NEERAJA SANMUHANATHAN
PhD (HEALTH SCIENCES)

OUR TEACHERS

We attract academics who are among the best in the world and whose passion and brilliance drives them to become leaders in their field. They are your inspiring teachers.

From your very first day as a student at Sydney, you'll have a unique opportunity to learn and explore alongside these great thinkers. It is thanks to the outstanding calibre of their work that we rank among the top research universities in the world, and can offer a cutting-edge curriculum – constantly fed by new research.

Sydney's academics are improving lives everywhere. Our scientists are developing cleaner fuels and more sustainable agriculture practices. Our engineers are pioneering ways to use robotics that will improve human safety.

Our health practitioners are fighting chronic diseases such as cancer and diabetes, while our lawyers are helping to shape public policy to support those in need. And that's just a tiny fraction of what we're working on.

We collaborate with industry, government and research bodies to ensure our programs are relevant to an ever-changing environment and offer students the ideal training to take on future leadership roles.

We're a connected university – inspiring support from all those who share our commitment to the transformative power of research and education.

Every year, government, industry, alumni and business leaders demonstrate their belief in us by donating millions of dollars to support our work. At the centre of this engaged community, and on everyone's behalf, our people are pursuing academic and scientific breakthroughs that change lives.

MEET A FEW OF OUR AWARD-WINNING TEACHERS

Dr Rebekah Moles, a lecturer in the Faculty of Pharmacy, received a 2013 Australian Award for University Teaching in recognition of her outstanding contribution to student learning. She was honoured for her contemporary course development, especially her creative integration of science and practice to enhance the learning experience.

Dr Dennis Stello is the latest recipient of an acclaimed award from the Australian Institute of Policy and Science. He was named 2013 NSW Young Tall Poppy of the Year in recognition of his innovative work in astroseismology, the study of sounds produced by pulsating stars. This research helps us understand our own sun's behaviour and how it can impact conditions on Earth.

Dr Alexander Argyros is also making waves in the world of physics. He won a 2013 NSW Young Tall Poppy award for his research into the way that light interacts with microscopic structures in materials. He contributed to the development of a metamaterial lens with 10 times the resolution of any current one. This type of lens will be a powerful new tool for the biological sciences.

"I've had the chance to be involved in so many different activities – from sport to musicals and annual balls. This really helped me to branch out and make new friends."

CAMERON CACCAMO
BACHELOR OF EDUCATION/
BACHELOR OF ARTS

THE FUN SIDE OF UNI LIFE

Believe it or not, university isn't just about classes, assignments and study. There's another side that will make your time here something you'll look back on with a smile.

Getting involved in student clubs, societies and events is one of the best ways to enjoy your downtime. Whether you're interested in joining a sporting team or signing up for the Quidditch Society (that's right, we have one), our campus community has something for everyone.

We're proud to partner with festivals and events that reflect the pulse of our city's vibrant communities and diverse cultural landscape. You'll be able to contribute to a range of events, share your ideas and team up with others through internships, performances and leadership opportunities.

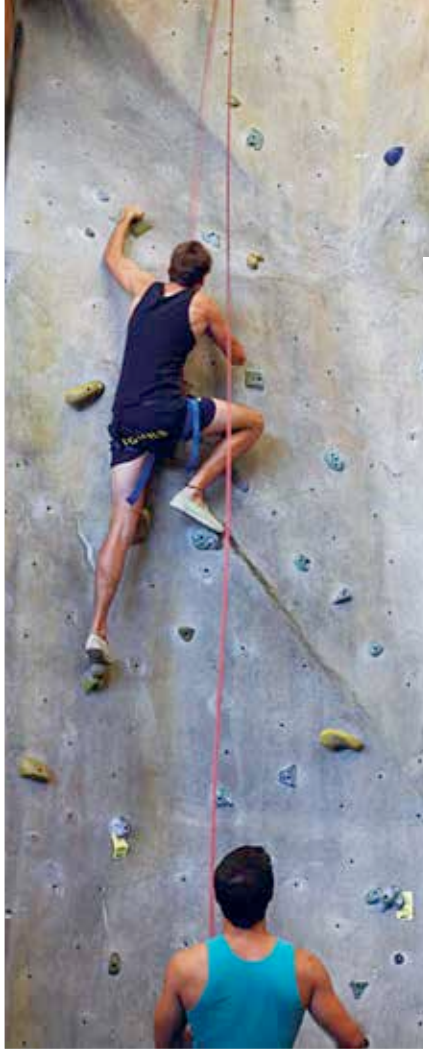
If you enjoy artistic pursuits, why not take a look at our galleries and exhibition spaces? Or you might want to check out our graffiti tunnel that is repainted every week, allowing you to unleash your creative side.

Many activities on campus are run by the University of Sydney Union (USU), which is a student-led, not-for-profit organisation that invests all funds back into the student experience.

As well as running the largest clubs and societies program in Australia, USU also supports a wide range of development initiatives such as INCUBATE, a startup accelerator and entrepreneur program that is working to expand to universities across Australia in partnership with Google.

And don't forget about the three-day O-Week festival. It's a great way to get a feel for uni life. You can also choose to buy an ACCESS card, made available by USU, to receive year-long discounts on many products and activities across campus.

www.usu.edu.au



GET SPORTY

There are plenty of ways to be active on campus – whether you enjoy social competition, fitness or elite sport.

Most of the sporting facilities, programs and events on campus are provided by Sydney Uni Sport & Fitness (SUSF).

You can get involved in swim squad or tennis tournaments; boxing or belly dancing; frisbee or football; first aid or fitness classes; surfing, sailing, scuba diving or skiing. There is something for you, whether you just want to keep fit or you're aiming for gold.

We have two fully equipped fitness centres: the recently upgraded Sydney Uni Sports and Aquatic Centre and the Arena Sports Centre.

Here you'll find gyms, group fitness and weight rooms, an Olympic-size heated swimming pool, courts for basketball, squash, badminton or tennis, and a climbing wall.

You can try out short courses in sports, dance or recreation, or play lunchtime social sports, including touch football, basketball, indoor soccer and netball.

If competition is your forté, why not join one of our 47 sporting clubs.

Either way, you'll be in great company. In 2013, our football club made its ninth straight Sydney Rugby Union premiership grand final, and the Sydney Uni Flames remained one of the most successful women's basketball teams in Australia.

In 2012, Sydney Uni contributed 31 athletes to the Australian Olympic and Paralympic Games teams.

If you want to succeed in your pursuit of both academic and sporting excellence, look no further than the SUSF Elite Athlete Program (see page 46 for details).

LEARN MORE

Stay in touch with all things sport and fitness at the University of Sydney.
www.susf.com.au

"The University of Sydney is the perfect place to combine my academic and sporting passions. The Elite Athlete Program helps me to get the best out of my study and my cricket, by offering flexible study arrangements around my sporting commitments."

RYAN CARTERS
BACHELOR OF ARTS, NSW WICKETKEEPER/BATSMAN

GLOBAL OPPORTUNITIES

Each year more than 1500 students visit or depart from the University for an international experience. Studying overseas gives you the chance to expand your perspective and enhance your self-confidence by taking on new challenges.

We offer short-term, semester and year-long exchange opportunities through almost 300 partner agreements with top universities worldwide. These may be supported by travel scholarships and government OS-HELP loans. Other options include study abroad, and international placements and internships.

From New Zealand to Norway, China to Chile, all exchange experiences are personal and different. Whether your main goal is to improve your language skills, experience a different way of life, or make friends on the other side of the world, studying overseas is undoubtedly worthwhile.

Going on exchange enables you to live abroad and immerse yourself in another culture while advancing your university degree. Make the most of it!

sydney.edu.au/studentexchange

"My overseas placement is an unparalleled learning experience. As an intern at the Institute of International Finance in Washington DC, I spend my week working with global leaders of finance, researchers and economists. The depth of knowledge present in any one room is simply amazing."

DAVID XU
BACHELOR OF COMMERCE/BACHELOR OF LAWS
BUSINESS SCHOOL WASHINGTON DC INTERNSHIP PARTICIPANT

REAL-WORLD RESEARCH

At the University of Sydney, we pride ourselves on our exceptional facilities, innovative edge and drive to challenge traditional ways of thinking. As a student here, you will have the opportunity to be part of research that pushes boundaries and makes a real-world impact.

The Charles Perkins Centre is an outstanding example of the University's interdisciplinary approach to research and education. Opened in early 2014, the centre aims to ease the burden of obesity, diabetes and cardiovascular disease by bringing together the best minds from a huge range of disciplines.

The centre is named in honour of University of Sydney alumnus and pre-eminent Aboriginal activist, Dr Charles Perkins. He was the first Aboriginal man to graduate from an Australian university, and led the 1965 Freedom Ride through rural New South Wales to protest against racial discrimination.

The Charles Perkins Centre aspires to embody the same critical qualities shown by Dr Perkins, as he sought to revolutionise Australian life by challenging existing assumptions and providing leadership in the pursuit of new solutions.

Experts from disciplines as diverse as biomedical science, health policy, agriculture, food production, sociology, architecture and even the economics of grocery shopping join forces at the centre to engage with the next generation of researchers.

Located on our Camperdown Campus, near Royal Prince Alfred Hospital, the centre's $385 million purpose-built research and education hub provides facilities for 950 researchers and more than 1400 students. It has a 240-seat multidisciplinary x-lab, a clinical research facility, biobank, wet and dry teaching laboratories, and extensive collaboration spaces.

As a student, you can learn from the centre's leading researchers – but even more valuable, you'll also have the chance to work alongside them.

The centre's summer research scholarship program invites 10 students each year to join respected academics conducting research that is aligned with the strategy, mission and goals of the centre. What better way to launch your career and help improve the lives of others?

Learn more about the Charles Perkins Centre at sydney.edu.au/perkins

WHAT CAN I STUDY?

The University of Sydney offers the most extensive range of academic programs of any Australian university.

These pages detail the study options available across our 16 faculties.

The table on pages 33 to 41 lists every course we offer. You can look up assumed knowledge (recommended high school subjects, if applicable) and the ATAR and International Baccalaureate (IB) results needed to have been accepted into this course in 2014. These figures are an indication of the results that you'll need to achieve entry in 2015. Pages 14 to 31 introduce our faculties with a brief summary of their courses and the unique academic experiences they offer.

If you have any questions, please call our helpline on **1300 362 006** or ask a question on our website sydney.edu.au/future-students

COURSE	ATAR	IB	DURATION	PAGE
Agriculture and Environment				
Agricultural Economics	81.00	30	4 years	33
Environmental Systems	80.50	29	3 years	38
Food and Agribusiness	81.40	30	4 years	38
Resource Economics	80.00	29	4 years	40
Science in Agriculture	76.85	28	4 years	41
Architecture, Design and Planning				
Design in Architecture	96.95	39	3 years	35
Design Computing	80.25	29	3 years	35
Arts and Social Sciences				
Arts	82.00	30	3 years	34
Arts (Languages)	98.50	41	4 years	34
Arts (Media and Communications)	95.50	37	4 years	34
Arts/Economics◊	new course		4 years	34
Arts/Social Work	82.45	30	5 years	34
Economics	91.60	35	3 years	35
International and Global Studies	95.05	37	3 years	39
Liberal Arts and Science	70.25	25	3 years	39
Political, Economic and Social Sciences	83.25	30	3 years	40
Business (The University of Sydney Business School)				
Commerce	95.00	37	3 years	34
Commerce (Liberal Studies)	98.00	40	4 years	35
Commerce/Arts	95.00	37	5 years	35
Commerce/Science	95.30	37	5 years	35
Dentistry				
Oral Health	A+C		3 years	40
Education and Social Work				
Education (Early Childhood)	79.10	29	4 years	36
Education (Primary)	88.05	33	4 years	36
Education (Secondary: Human Movement and Health Education)	80.45	29	4 years	36
Education (Secondary: Humanities and Social Sciences)/Arts	82.05	30	5 years	36
Education (Secondary: Mathematics)/ Science	83.00	30	5 years	36
Education (Secondary: Science)/ Science	83.00	30	5 years	36
Social Work	80.10	29	4 years	41
Engineering and Information Technologies				
Flexible First Year (Engineering, Information Technologies, Computer Science)	86.45	32	1 year°	37
Computer Science and Technology	81.80	30	3 years	35
Computer Science and Technology (Advanced)	89.95	34	3 years	35
Engineering (Aeronautical)	90.85	34	4 years	37
Engineering (Aeronautical) (Space)	99.40	43	4 years	37
Engineering (Biomedical)	90.15	34	4 years	37
Engineering (Chemical and Biomolecular)	87.50	32	4 years	37
Engineering (Civil)	90.55	34	4 years	37
Engineering (Civil) (Construction Management)	92.50	35	4 years	37
Engineering (Civil) (Environmental)	91.40	35	4 years	37

COURSE	ATAR	IB	DURATION	PAGE
Engineering and Information Technologies (continued)				
Engineering (Civil) (Geotechnical)	97.45	40	4 years	37
Engineering (Civil) (Structures)	94.90	37	4 years	37
Engineering (Electrical) (Power)	87.65	32	4 years	37
Engineering (Electrical) (Computer) (Electrical) (Telecommunications)	90.60	34	4 years	37
Engineering (Mechanical)	91.05	34	4 years	37
Engineering (Mechanical) (Space)	98.05	40	4 years	37
Engineering (Mechatronic)	91.95	35	4 years	37
Engineering (Mechatronic) (Space)	99.80	44	4 years	37
Engineering (Software)	91.05	34	4 years	37
Engineering/Arts	91.50	35	5 years	37
Engineering/Commerce	95.10	37	5 years	37
Engineering/Medical Science	93.65	36	5 years	38
Engineering/Project Management	90.75	34	5 years	38
Engineering/Science	90.50	34	5 years	38
Engineering (Civil)/ Design in Architecture	97.15	39	5 years	37
Information Technology	97.80	40	4 years	38
Information Technology/Arts	92.95	36	5 years	38
Information Technology/Commerce	95.60	38	5 years	38
Information Technology/ Medical Science	96.75	39	5 years	39
Information Technology/Science	93.25	36	5 years	39
Project Management	86.25	32	3 years	40
Health Sciences				
Exercise Physiology	92.35	35	4 years	33
Exercise and Sport Science	88.05	33	3 years	33
Exercise and Sport Science/ Master of Nutrition and Dietetics	98.45	41	5 years	33
Occupational Therapy	93.40	36	4 years	33
Physiotherapy	98.85	42	4 years	33
Speech Pathology	94.05	36	4 years	33
Diagnostic Radiography	94.35	37	4 years	33
Health Sciences	80.00	29	3 years	38
Law (Sydney Law School)				
Combined law – with Arts; Arts (Media and Communications)#; Commerce; Design in Architecture; Economics; Engineering#; Information Technology#; International and Global Studies; Science.	99.70	44	5 years #6 years	*

COURSE	ATAR	IB	DURATION	PAGE
Medicine (Sydney Medical School)				
Sydney Medical Program (graduate entry)	A+C		4 years	N/A
Combined medicine (undergraduate) – with Commerce; Economics; Medical Science; Music Studies; Science (Advanced)	A+C		7 years	*
Music (Sydney Conservatorium of Music)				
Diploma of Music	A+C		2 years	41
Music (Composition)	A+C		4 years	39
Music (Music Education)	A+C		4 years	39
Music (Musicology)	A+C		4 years	39
Music (Performance)	A+C		4 years	40
Music (Performance – Jazz)	A+C		4 years	39
Music Studies	A+C		3 years	40
Music Studies/Arts	A+C		5 years	40
Nursing (Sydney Nursing School)				
Arts/Master of Nursing	82.40	30	4 years	34
Health Sciences/Master of Nursing	80.55	29	4 years	38
Nursing (Advanced Studies)	84.75	31	3 years	40
Science/Master of Nursing	83.45	31	4 years	41
Pharmacy				
Pharmacy	90.05	34	4 years	40
Science				
Liberal Arts and Science	70.25	25	3 years	39
Medical Science (Year 1 entry)	92.50	35	3 years	39
Psychology	97.00	39	4 years	40
Science	83.00	30	3 years	40
Science (Advanced)	95.00	37	3 years	41
Science (Advanced Mathematics)	98.35	41	3 years	41
Science/Arts	83.25	30	4 years	41
Science/Master of Nutrition and Dietetics	97.55	40	5 years	41
Veterinary Science				
Animal and Veterinary Bioscience	84.50	31	4 years	33
Veterinary Biology/Doctor of Veterinary Medicine	A+C		6 years	41
Visual Arts (Sydney College of the Arts)				
Visual Arts	A+C		3 years	41

2014 IB cut-offs are calculated using the 2014 conversion rate on the 2014 ATAR cut-offs.

A+C Combination of ATAR and additional selection criteria.

◊ This course is subject to final approval.

° The Flexible First Year Program allows you to decide your eventual engineering specialisation after completing one year of full-time study.

* See tables on pages 33 to 41

AGRICULTURE AND ENVIRONMENT

Join our vibrant and international community working to address the major issues that face our world today, especially concerning food, water, energy and climate. Equip yourself with the knowledge and skills to contribute to the sustainable development of our planet.

As an undergraduate student, you'll be surrounded by new ideas and challenges from day one. Choose from our wide range of degrees, or combine your agricultural studies with courses from other faculties, applying science, business and economics to solve the big issues facing our planet.

You will be taught by research leaders who are internationally renowned for their teaching excellence, and have won numerous national and international awards.

Take advantage of domestic and international research and work opportunities. Our Professional Development Program, designed for students of agricultural economics, resource economics, or science in agriculture, gives you work experience specific to your area of interest and offers unparalleled networking opportunities with leading economic and scientific organisations. This highly regarded program distinguishes our graduates.

Similarly, in the Bachelor of Food and Agribusiness, you will complete a 12-week industry internship in your third year, followed by a research-focused fourth year for embedded honours.

YOUR FUTURE

Our students enjoy high employment rates and above-average starting salaries. You will be eligible for professional recognition from a range of organisations, greatly enhancing your career prospects.

Our faculty's strong international reputation and network of partners open the door to a wealth of job opportunities in Australia and overseas. As one of our graduates, you will be highly sought after by leading government agencies, research and industry groups, and top financial institutions.

You'll be able to pursue your specific passions in your choice of career, with opportunities in fields such as food security, biotechnology, climate change, market analytics, marketing, logistics, research and development, environmental consultancy, agricultural economics and more.

"Agricultural economics appealed to me because of its high employment rates and opportunities in regional and city areas, worldwide. This course isn't just for students with an agricultural focus, but for anyone interested in economics."

SAMUEL BRAZEL
BACHELOR OF AGRICULTURAL ECONOMICS, CADIGAL STUDENT

sydney.edu.au/agriculture

ARCHITECTURE, DESIGN AND PLANNING

Design the world in which you want to live. Our programs in architecture and design computing will set you up to become a creator of the world's physical and digital future.

Our design-led, studio-focused courses prepare you to solve physical and digital challenges. You will learn from globally recognised leaders of industry in our outstanding design studios and laboratories.

Use state-of-the-art computing and digital fabrication facilities to prototype and produce your vision of the future. We want you to discover how the world can be made better through aesthetics, human experience and sustainability.

Design quality is paramount: our architecture program is the only one in Australia that includes mandatory art workshops, while our design computing program is Australia's only design-based entrepreneurial technologies course.

A rewarding student community encourages you to engage in additional creative pursuits such as music, drama and set design, alongside your choice of art and graphic design electives.

With more than 90 years of expertise, we're the longest-running of all of Australia's design centres.

YOUR FUTURE

Our graduates are making a difference across the world in a multitude of ways, from designing Olympic sports facilities, to pioneering Aboriginal and Torres Strait Islander housing developments and leading major architectural firms.

In response to a shortfall in the marketplace for designers with technical and programming knowledge, our design computing courses prepare you to enter a wide range of fields.

These include:

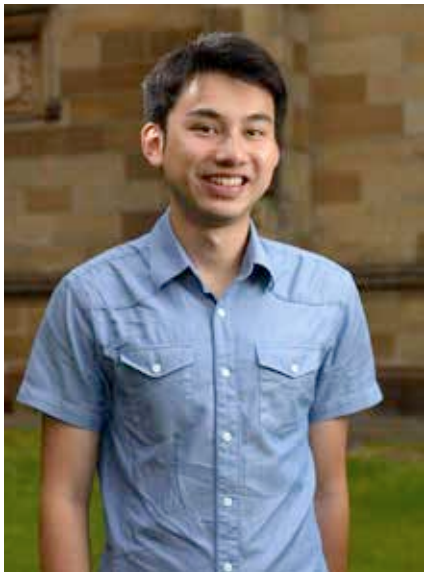
- marketing and communications
- graphic design
- app and game development
- web design and development
- interaction design
- information design and analysis
- and careers that don't yet exist!

"The atmosphere of student life creates an environment that allows and encourages you to engage with ideas that could shape the rest of your life."

KIERAN RICHARDS
BACHELOR OF DESIGN (ARCHITECTURE)

sydney.edu.au/architecture

ARTS AND SOCIAL SCIENCES



"Every day is filled with exhilarating discoveries as I learn from my tutors, encounter diverse viewpoints and surprise myself with new ideas. Arts and social sciences truly is a smorgasbord for hungry minds."

PHILIP CHAN
BACHELOR OF ARTS (MEDIA AND COMMUNICATIONS)/ BACHELOR OF LAWS

In the respected *Times Higher Education* World University Rankings, we consistently rate in the top 25 for humanities and social sciences.

We are passionate about the role of the humanities and social sciences in the world today. Our teaching staff are more than just active researchers and internationally recognised experts. In many cases, they are practising professionals in media, archaeology, communications, performance, literature and more.

No matter what discipline you choose to study, you will gain valuable skills sought by all employers, in critical analysis, communication, teamwork, research and writing. Our graduates hold influential positions in corporate communications, marketing, banking, public sector policy development, linguistic analysis, aid work and much more. Your options will be endless.

We are based in the historic Quadrangle in the heart of campus. Other faculties such as the Sydney Law School and University of Sydney Business School are close by, which is convenient if you want to combine an arts degree with these competitive programs.

YOUR FUTURE

The Faculty of Arts and Social Sciences offers you the opportunity to broaden your horizons, become an active citizen in this constantly changing world and gain work experience through internships, such as those offered in the Media and Communications program.

We also offer exchange opportunities at more than 100 universities, including prestigious institutions such as Peking University in China, Université Paris Sorbonne (IV) in France, King's College in London and Georgetown University in the United States.

sydney.edu.au/arts

BUSINESS

The University of Sydney Business School is a dynamic and industry-connected faculty. Our courses immerse you in real-world business activities, integrating worldwide internships and placements and giving you the ultimate 360-degree platform from which to launch your career.

"My course has introduced me to many exciting experiences and wonderful people. The Washington DC Internship program has opened up my career opportunities and taught me a lot about myself and the wider world."

CLAUDIA YEAP
BACHELOR OF COMMERCE

The Business School is your passport to the world of leading academic and business communities. As a student and graduate you will be invited to connect with a global network of high-achieving and successful alumni, greatly enhancing your career prospects.

The Business School is accredited by the peak European (EQUIS) and North American (AACSB International) bodies. We are the only Australian business school admitted to CEMS, the Global Alliance in Management Education, which partners with more than 50 of the world's top multinational corporations to provide career opportunities for current students and alumni.

A business degree should provide genuine experience of today's business world, which is why we offer industry placements with leading firms as part of your degree. Placements are available in Sydney, regional Australia and overseas.

Our academics are highly influential within business and government sectors, and their research expertise is in continual demand by industry, government and the media. This research informs our teaching programs, exposing you to new ideas and insights into how commerce impacts our world.

Our programs will give you a grounding in a variety of business areas while also allowing you to specialise in the areas that interest you most. By tailoring your degree, you'll have industry-ready insight and analytical skills to pursue your career aspirations across a wide range of industries.

The University of Sydney is currently building a flagship home for the Business School. When complete in 2015, the precinct will provide five floors of state-of-the-art teaching, learning and administrative facilities.

YOUR FUTURE

When you graduate, your degree will be recognised and respected around the world. You'll join an outstanding community of more than 50,000 alumni working across a range of sectors in high-level positions, including CEOs, managing directors, board chairs and governors.

sydney.edu.au/business

"One of the best things about studying dentistry is the clinical placements. So far I've practised at Westmead, Sydney and Nepean hospitals. As a clinician, the impact you have on individuals is inestimable. You go home satisfied by your work every day."

CAHIT OZBEYAZLI
BACHELOR OF ORAL HEALTH

DENTISTRY

Our innovative oral health and dentistry programs build on more than a century of excellence in dental education to produce oral health therapists, dentists, dental hygienists, dental specialists and researchers of the highest calibre.

Our oral health course will give you excellent job prospects in the private and public sectors. This is your path to a profession where you can use your clinical and communication skills to make a genuine contribution to community health.

The Faculty of Dentistry is dedicated to improving people's oral and general health. Our courses are academically rigorous, while also supportive and social. Your studies will involve a blend of clinical, medical and dental science, where you will be challenged to develop skills in critical analysis, teamwork and problem solving.

Our courses are taught at two major teaching hospitals, Westmead Centre for Oral Health and Sydney Dental Hospital, as well as metropolitan and rural clinical settings, where you will regularly put your skills into practice. The Bachelor of Oral Health course provides training in oral-health promotion, dental hygiene and dental therapy. It will equip you with the required skills, knowledge and experience to deliver oral-health promotion, dental hygiene and dental therapy services to patients throughout Australia.

For those who have already completed an undergraduate degree, we offer a four-year graduate-entry course, the Doctor of Dental Medicine, which blends learning in the life sciences with clinical and dental science and experience.

YOUR FUTURE

You will graduate with a respected qualification, enabling you to work as an oral health hygienist or therapist with skills in oral health promotion and education. Depending on your passions and goals, your career as an oral health therapist may lead you into a mix of private and public sector practice. Either way, your degree from Sydney, informed by the full spectrum of research-intensive disciplines, will equip you to become a highly skilled member of the dental profession.

Graduates of the Bachelor of Oral Health are not registered to practise as dentists upon graduation. To become a dentist, you need to complete the Doctor of Dental Medicine.

APPLICATION REQUIREMENTS

Our dentistry degrees have additional application requirements. See page 43 for details.

sydney.edu.au/dentistry

EDUCATION AND SOCIAL WORK

Shape society, change destinies and save lives. As a teacher or social worker you will have the potential to achieve remarkable things. You'll be equipped with the skills and knowledge to play a crucial role in our world.

At the Faculty of Education and Social Work you will develop the capacity to make a real difference, either by helping young minds to learn and grow, or by improving the prospects of people who are disadvantaged in our society.

Our rigorous, innovative courses provide professional experience and employ the latest best-practice methodologies. Our researchers attract national and international praise for their leadership in teaching and scholarship.

This vital research work informs our teaching and empowers us to contribute to national debates and conduct studies across areas ranging from early literacy to classroom discipline, sociology, sex and gender studies.

Our education degrees allow you to develop specialisations in maths, science, humanities or economics and business. You can also specialise in personal development, health and physical education, early childhood or primary education. These degrees integrate information and communications technologies into teaching practices, and explain how to cater for students with special needs.

Our social work degrees are accredited by the Australian Association of Social Workers (AASW), and prepare you for a challenging but highly rewarding career. The course structure allows you to qualify as a professional social worker, but with the additional depth of two years' tertiary study in other areas of interest such as languages or history.

YOUR FUTURE

You will learn in an environment ranked A1 for teaching and learning by the Australian Government's Department of Education, Employment and Workplace Relations, making this the ideal preparation for a career in teaching or social work.

Get the most out of your studies by choosing from a diverse range of specialties. Our unparalleled number of course combinations allows you to tailor your degree to achieve your goals.

"I chose my course because I really enjoy helping children learn, and have a particular passion for assisting children with intellectual disabilities. I'm looking forward to studying the learning process and becoming a great teacher."

JESSE SMITH
BACHELOR OF EDUCATION (PRIMARY)

sydney.edu.au/education-social-work

"I've always been attracted to problem solving. During my degree, I had the chance to undertake an internship and then an industry placement scholarship with Qantas. After graduation, Qantas offered me a position as an aircraft performance analyst."

SATVEER SINGH
BACHELOR OF ENGINEERING (MECHATRONIC) (SPACE)

ENGINEERING, PROJECT MANAGEMENT AND IT

Graduates from the Faculty of Engineering and Information Technologies have the ability to lead and shape the future. As one of the top 50 engineering and technology universities in the world, we provide you with the skills to create unique and sustainable solutions that promote positive change.

We encourage our students to take risks, break down disciplinary barriers and work collaboratively to develop truly holistic solutions to today's big issues. These include health and ageing, the threat of disease outbreaks, and environmental issues such as sustainable energy production and climate change.

You'll develop your skills of analysis and invention so you can effectively design, create and build structures, systems and products that matter.

Our diverse degree options cover aeronautical, space, mechanical, mechatronic, biomedical, chemical and biomolecular, civil, electrical, power and software engineering, along with information technology, computer science and project management.

You can broaden your career options further by combining your degree with studies in arts, law, architecture, science, commerce or medical science.

If you're not sure what area you'd like to specialise in, our Flexible First Year program gives you the time and freedom to discover where your strengths and interests lie.

We also offer a Flexible Entry Scheme that offers alternative ways of assessing your suitability for entry to our courses.

YOUR FUTURE

Our faculty offers you a range of different experiences that employers really value. In addition to the extracurricular activities you'll enjoy as a student, you'll have opportunities to undertake internships, take part in industry-sponsored projects, and go on international exchange. We work with hundreds of organisations to support your career aspirations through scholarships, vacation work and other opportunities to develop your real-life business skills and leadership experience.

Studying engineering, project management or IT will open up a wide range of career options across industries such as government, financial services and the consulting sectors. You will graduate with a prestigious qualification that is recognised worldwide. Our engineering degrees are accredited by Engineers Australia and our IT degrees by the Australian Computer Society.

sydney.edu.au/engineering

HEALTH SCIENCES

A health sciences degree from Sydney will give you the skills to ensure the efficiency and innovation of our health care system. Whether you choose to work as a health practitioner or in a corporate role, you're going to be in high demand.

"The Faculty of Health Sciences' close affiliations with many clinics means I'm allocated prime locations for my placements. It will be a great help when I graduate and enter the workforce."

GERMAINE TSANG
BACHELOR OF APPLIED SCIENCE (EXERCISE PHYSIOLOGY)

Based on a dedicated campus near Lidcombe, the Faculty of Health Sciences has strong relationships with some of Australia's best hospitals and treatment centres. You will have access to purpose-built laboratories, on-site health clinics, an extensive library and a sports centre.

You can choose between profession-specific study or a broad degree with courses tailored to your interests to prepare you to enter one of the many corporate roles that keep the health system running. You will also gain significant real-world practice by getting involved in and supporting Aboriginal and Torres Strait Islander projects.

You will be taught by experts in seven key disciplines: behavioural and social sciences, exercise and sport science, medical radiation sciences, occupational therapy, physiotherapy, rehabilitation counselling and speech pathology.

Our students and staff are united by their desire to improve health services within Australia and internationally. We monitor global trends and work hand in hand with the health profession to ensure our programs are relevant to the changing nature of health care.

For example, one of our speech pathology experts developed a world-first treatment for stuttering in children, which is now used globally. Other researchers are leading their fields by finding ways to alleviate the painful, long-term musculoskeletal problems experienced by many cancer survivors.

YOUR FUTURE

The number of health industry professionals has increased by more than 40 percent in the past decade. Their roles are key to tackling the rise in chronic health conditions.

With one of our professional preparation courses, you can put your skills into practice immediately after graduating. Alternatively, our Bachelor of Health Sciences lets you explore more widely, after which you can choose a non-clinical corporate role in health or apply for one of our six graduate-entry master's courses, which qualify you to practise in your chosen field.

sydney.edu.au/health-sciences

LAW

As one of Australia's leading law schools, we prepare graduates for national, transnational and international legal careers.

Our Bachelor of Laws (LLB) is international in focus and global in perspective – it is one of the few law degrees that includes two compulsory units in international law. The elective program allows you to undertake specialised study in human rights law, private international law, advanced corporate and commercial law, or a range of areas such as media law and medical law.

Our combined law program allows you to study the Bachelor of Laws (LLB) in conjunction with a degree from several other faculties. If you already have an undergraduate degree, you should consider our Juris Doctor graduate-entry degree program.

Within our state-of-the-art building located in the heart of the University's main campus, you will develop the critical legal skills of analysis, research, writing and advocacy.

Beyond the campus, our social justice program gives you practical legal experience as you provide vital services to disadvantaged members of the local community.

The LLB also offers you the opportunity to become an exchange student at leading law schools around the world including New York University, Humboldt and the National University of Singapore. You can also engage in offshore study in China, Japan, Indonesia, Malaysia, the United Kingdom and Nepal.

YOUR FUTURE

Sydney Law School makes a significant contribution to the Australian judiciary, politics and public life. Many of our graduates are leaders in their fields and include prime ministers, global finance leaders and senior judicial figures.

A Sydney law degree is recognised for the purposes of practising law in New South Wales. Subject to additional requirements, it may be recognised in other Australian states and territories and overseas.

Our graduates don't just make a difference as practising barristers or solicitors. More than half gain employment in key positions as corporate counsel, public policy advisers, teachers, investment bankers, journalists and more. Studying law at Sydney opens the door to a world of possibilities.

"The University's culture is inclusive, supportive and fosters ideas and success. Everyone has the chance to get involved and excel in whatever they want."

MATTHEW YELDHAM
BACHELOR OF ARTS/BACHELOR OF LAWS

sydney.edu.au/law

MEDICINE

"My cohort was a well-rounded, mature, interesting blend of students who are now entering medicine as fine doctors with something extra – a broader sense of education and a clarity of direction."

MARTIN SENEVIRATNE
BACHELOR OF SCIENCE (ADVANCED)/BACHELOR OF MEDICINE AND BACHELOR OF SURGERY

Study medicine at Sydney and make a difference across the world. As one of the most highly rated medical schools in the Asia Pacific region, our clinically outstanding and research-rich course will place you among the best.

At Sydney Medical School, you will be taught by leading clinicians and researchers from top hospitals and research centres. You'll have contact with patients from your first month, and then gradually be exposed to clinical teaching across the full spectrum, from general practice to high-level hospital care and city-based to rural and remote community care.

Medicine at Sydney can be studied as a seven-year double degree program open to students straight from school (see page 43 for more about the direct entry option), or as a four-year graduate entry program. In both, our problem-based learning approach emphasises the integration of basic sciences with clinical reasoning and practice.

Our curriculum is dynamic, with active and ongoing dialogue between students and educators. With access to a wealth of research expertise, you will gain important knowledge and skills in research methodology and, in some cases, carry out a research project.

The Sydney Medical School has extensive global networks and major research connections in North America, Asia and Europe, bringing an international perspective to your studies.

The Sydney Medical Program provides a unique learning environment which attracts a diversity of students from professional, academic and cultural backgrounds. Our emphasis is on small-group learning, which stimulates the sharing of experience and knowledge.

YOUR FUTURE

You will graduate with the clinical and research skills to be an exceptional health and medical professional. You will be a critical thinker, able to evaluate new knowledge in a field where new discoveries are made every day. You'll be well placed to follow in the footsteps of your predecessors at the Sydney Medical School who have made major breakthroughs that changed medical practice and understanding worldwide.

APPLICATION REQUIREMENTS

Our medicine degrees have additional application requirements. See page 43 for details.

sydney.edu.au/medicine

"Music, to me, means communication. It's a language through which we can speak to each other. Nothing makes me happier than to communicate through music. Sometimes the message is happy, sometimes it's sad – there are endless possibilities."

NICOLE GREENTREE
BACHELOR OF MUSIC (PERFORMANCE)

MUSIC

Located in the heart of Sydney's thriving centre and just minutes from Circular Quay and the Opera House, the Sydney Conservatorium of Music is an iconic music institution. Our graduates are some of Australia's best-known fine music performers, composers, teachers and scholars.

As a student at the Con, you can pursue your musical passions within our flexible music programs. You can specialise in areas such as composition, performance, musicology or music education while taking full advantage of the resources offered by one of Australia's largest universities.

Performance is fundamental to our degrees, and through our extensive ensemble program you can engage with a broad range of repertoire from Rameau to Reich. Ensembles include chamber and symphony orchestras, early music, jazz big band, choral, opera and modern music.

You will also have the chance to gain invaluable skills and experience on the global stage through our extensive touring program. Recent tours include a combined orchestral project with the Milan Conservatory and the Royal College of Music, London, performing in Italy, the Netherlands, London, Switzerland, New Caledonia and China. Many of our students perform in competitions around the world, or complete part of their degree abroad through our active exchange program.

Our graduates have gone on to succeed in professional careers with Opera Australia, the Sydney Symphony Orchestra, the Australian Brandenburg Orchestra and the Australian Chamber Orchestra, to name just a few. Many are currently performing in ensembles and orchestras across Europe, the United States and Asia.

YOUR FUTURE

You will be well equipped for a career as a professional musician, and will also have the opportunity to enter related careers such as arts management, cultural planning and policy development, broadcasting and music education.

APPLICATION REQUIREMENTS

Our music degrees have additional application requirements. See page 43 for details.

sydney.edu.au/music

"My father cared for patients at a voluntary medical centre in Iraq during the war. When I moved to Australia, I knew I wanted to follow in his footsteps by becoming a nurse. I hope to use the skills I've learned at university to set up free clinics in the most vulnerable parts of the world."

MAHA KAMIL
BACHELOR OF NURSING (ADVANCED STUDIES)

NURSING

Nursing is about caring. It's a profession where you use your head, hands and heart. Our pre-registration nursing programs equip you to provide the best care for people and contribute to important decisions about future trends in treatment, patient care and disease prevention.

Sydney Nursing School provides unique pre-registration nursing programs that will prepare you for leadership in clinical practice and research. You'll learn in a collegial, stimulating and supportive environment, and gain extensive clinical experience through placements in a range of health settings.

Our strong ties with the University's other health faculties give you access to complementary knowledge and facilities, including world-leading clinical schools, teaching hospitals and rural health care facilities.

Our three-year Bachelor of Nursing (Advanced Studies) degree introduces you to nursing through clinical practice and theory, with a focus on leadership, evidence-based practice and research. It will develop your capabilities as an enquiring, globally aware health care professional.

Our four-year combined degree program allows you to broaden your studies with a degree from the faculties of Arts and Social Sciences, Health Sciences or Science.

You'll be able to explore specialist areas of nursing practice, tapping into our growing research expertise in chronic disease, maternal and women's health, cancer and palliative care, mental health, intensive care, trauma and emergency.

You'll learn from world-renowned academics and clinical experts, many of whom are writing key health textbooks and driving health policy locally and internationally. Others are working at frontline health care services and engaging in research, making real differences to the health care landscape and bringing innovation to your learning experiences.

YOUR FUTURE

Our programs are accredited by the Australian Nursing and Midwifery Accreditation Council and approved by the Nursing and Midwifery Board of Australia. You will be eligible to apply for registration to practise as a registered nurse in Australia on completion of your degree.

Most of our graduates go on to work in public and private hospitals in areas such as paediatric nursing, trauma and emergency, acute care, cancer, intensive care, mental health nursing and aged care.

Our nursing programs also create professional opportunities in health media, pharmaceutical companies, clinical trials, forensic science, overseas aid, policymaking and more.

sydney.edu.au/nursing

PHARMACY

Develop insights into how different medications affect the human body and learn the skills and knowledge to join a profession that focuses on improving patients' quality of life.

With an unrivalled reputation for excellence, the Faculty of Pharmacy offers a world-class pharmacy program. You'll benefit from the innovative teaching practice and expertise of the faculty's award-winning and internationally renowned academics. When you complete your degree, you will be recognised as being among the highest quality pharmacy graduates in Australia.

Our Bachelor of Pharmacy is a four-year, full-time professional degree combining advanced scientific investigation with training in clinical practice and optimum patient care. Specifically, it covers the study of the chemical, physical, pharmaceutical and pharmacological properties of medicinal substances and their application.

You'll work with fellow students to understand modern patient care and provide expert advice on correct medicine use. You will gain practical experience in clinical settings, where you will develop professional and interpersonal skills and put your clinical knowledge into action.

YOUR FUTURE

Pharmacists are an integral part of the modern health care system, as experts in the chemistry of drugs, how medicines are developed and how they affect the human body. Our goal is to provide an intellectually, socially and culturally rewarding education program that will set you on the path to becoming a leader in your profession.

Whether you decide to register as a pharmacist in a community or hospital setting, enter the pharmaceutical industry, work for government agencies or contribute to research and academia, you will have the expertise to improve the wellbeing of the nation.

To become a registered pharmacist, you need to complete 1824 hours (one year) of supervised practical training, including an approved intern training program, followed by a registration examination.

International students can take internship (pre-registration) training in Australia, but are advised to seek formal advice on visa requirements from the Australian Department of Immigration and Citizenship. International students will need to demonstrate an appropriate level of English (IELTS 7.5) to register with the Pharmacy Board of Australia.

For more information about how to register as a pharmacist, visit the Pharmacy Board of Australia's website. **www.pharmacyboard.gov.au**

"Pharmacy incorporates an exciting range of disciplines and skills. The clinical placement is the most valuable part of my degree. I often attend class in the morning and then apply what I learned when I go to work in the afternoon."

ARDI MIRZAE
BACHELOR OF PHARMACY

sydney.edu.au/pharmacy

"I love exploring the many facets of science, from neuroscience and human biology to forensic and social psychology. I can see myself studying this for years and still finding it absolutely riveting."

SHIVANI DEWAN
BACHELOR OF PSYCHOLOGY

SCIENCE

Science underpins every aspect of our lives. We use it to prevent and cure diseases, conserve resources, understand human behavior and create new technologies. A science degree will empower you to pursue a meaningful career full of exciting discoveries.

A degree from the Faculty of Science will teach you how to apply existing knowledge and critical reasoning to improve our world.

You can become a key player in scientific revolutions currently occurring in areas such as nanotechnology, optics, molecular biology and genetics. As a dynamic field in a continual state of flux, science is the perfect arena for you to pursue new discoveries and make your mark.

Our world-famous academics are pushing the frontiers of science. Some are seeking to prevent the chronic conditions of diabetes and obesity, while others are leading Australia's advances in communications through photonics research. Meanwhile our physics stars are unearthing clues to the evolution of the universe.

Our breadth of expertise is reflected in the flexibility of our study options. You can choose from more than 30 possible majors in the Bachelor of Science or choose a specialised degree tailored to a particular interest or career path.

You also have the option to combine your degree with studies from another faculty, such as Arts and Social Sciences, the Business School, Medicine or Law.

High-achieving students (with an ATAR above 99.00 or equivalent), are invited to join our individually tailored Talented Student Program (for details, see **sydney.edu.au/science/tsp**).

This program gives you the opportunity to work alongside practising scientists on projects with real-world impact.

YOUR FUTURE

Many leaders across a wide range of career fields have a degree in science.

Your skills and knowledge will prepare you for specialised scientific work or research, or broader work in fields such as government, finance, management and journalism.

After graduating, you can choose from a highly varied set of careers, including industry or environmental management or scientific research. You could also become a practising psychologist, nutritionist or teacher, or join the business sector as a manager, financial analyst or consultant.

sydney.edu.au/science

VETERINARY SCIENCE

"My fascination with science and passion for animal welfare has played an important role in my life for as long as I can remember. By combining the two, I can hopefully make a difference to the lives of many animals."

ANNABELLE SKETCHLEY
BACHELOR OF VETERINARY SCIENCE

Receive expert training that sets you on the path to a rewarding career managing the care and wellbeing of animals.

The Faculty of Veterinary Science is recognised internationally as a leading provider of education in animal health, animal reproduction, animal welfare, breeding management, parasitology, surgery, wildlife management and conservation, and more.

You will benefit from high-calibre facilities and teaching hospitals focused on small animals at our Camperdown Campus in central Sydney, along with our facilities for small, large and wildlife animals at our beautiful rural Camden Campus on the edge of Sydney.

Our award-winning academics conduct research across a wide range of animal sciences, studying diverse animal species from native Australian wildlife to production animals and companion animals.

Our research in the field of veterinary sciences attracts external renown; the federal government's 2012 Excellence in Research for Australia (ERA) initiative assessed us as being 'well above world standard' – the highest rating possible. The results of our research directly inform our innovative teaching programs.

If you choose the double degree Bachelor of Veterinary Biology/Doctor of Veterinary Medicine, you will be able to qualify as a registered vet, once you graduate.

You will study farm animals, companion animals, racing animals and exotic and native species. You will experience new and exciting challenges daily, putting animal husbandry theory into practice during external work placements.

In your last year, you will take on clinical rotations, consolidating what you've learned and sharpening your skills.

If you choose the Bachelor of Animal and Veterinary Bioscience, you will build on a strong science foundation to focus on animal nutrition, health, reproduction and genetics and complete a large amount of practical work in animal-related industries.

In your final year you may elect to do an honours research project, specialising in new and emerging areas such as assisted reproductive technology or the genetic basis of disease.

YOUR FUTURE

Our veterinary students have gone on to take up many diverse careers and leadership roles in Australia and around the world.

Graduates of our accredited programs are immediately eligible for registration with the Veterinary Surgeons' Board in each state and territory in Australia and are recognised internationally by the American Veterinary Medical Association (AVMA) and the Royal College of Veterinary Surgeons (UK).

Our Bachelor of Animal and Veterinary Bioscience graduates work across a broad range of disciplines in cities, rural areas and overseas. The degree is an excellent path to careers in the animal industries, agribusiness, government, research and education.

APPLICATION REQUIREMENTS

The Bachelor of Veterinary Biology/Doctor of Veterinary Medicine has additional application requirements. See page 43 for details.

sydney.edu.au/vetscience

"The best thing about studying at SCA is guidance from the academic staff. You learn from working artists and scholars, who help you with your own practice and give you valuable advice for entering the professional art industry."

BRENTON ALEXANDER SMITH
BACHELOR OF VISUAL ARTS

VISUAL ARTS

The Bachelor of Visual Arts offered at Sydney College of Arts (SCA) is a practical, hands-on degree focused on developing conceptual, theoretical and technical skills. With this grounding, you will be able to flourish in a range of careers in the creative industries.

From the outset, you will be encouraged to work across disciplinary boundaries, with the opportunity to specialise in one of six disciplinary majors: Painting, Photomedia, Screen Arts, Sculpture, Printmedia, Jewellery and Object. You may also complete a second major in Critical Studies. Each major is underpinned by the teaching of rigorous theory, critical skills and history, to help you realise the full potential of your creative projects.

Within our excellent studio facilities, workshops and digital laboratories, you will be taught by practising artists, writers and curators whose extensive professional experience and arts industry networks – including contacts in galleries and museums – will be of enormous benefit to you.

During your time at SCA you will visit leading art institutions, meet with artists, writers, curators and academics, attend artist talks and participate in creative industries' events. At the end of your studies you will exhibit your work in the annual SCA Undergraduate Degree Show.

Our top-performing students have the option of undertaking an extra honours year to pursue a substantial research project under the supervision of our academic staff.

YOUR FUTURE

Our flexible course structure and suite of electives allows you to adapt your studies to your personal strengths and aspirations, and keep your career choices open.

Upon graduating, you will be equipped with the conceptual and technical skills required to work as a contemporary artist, or to establish an art, media or design practice.

You will also be well qualified to work in a wide range of other culture-related fields including art education and administration, curation, website and interactive design and publishing.

Above all, you will emerge from the course as an expert in developing creative responses to the big issues driving contemporary society.

APPLICATION REQUIREMENTS

The Bachelor of Visual Arts has additional application requirements. See page 43 for details.

sydney.edu.au/sca

"Study what you love, because happiness is such a wonderful and rare thing to have in life. I was very lucky because I've always done stuff that I loved to pieces. Life gets meaning from what you do."

DR KARL KRUSZELNICKI
JULIUS SUMNER MILLER FELLOW, THE UNIVERSITY OF SYDNEY

DETAILED COURSE LIST

These tables list all the undergraduate courses you can study at the University of Sydney in 2015. It includes information on the duration of each degree, assumed knowledge, and the Australian Tertiary Admission Rank (ATAR) or International Baccalaureate (IB) result you would have needed to receive an offer in 2014, excluding special entry schemes.

In this table we have used 'B' as an abbreviation for 'Bachelor of', in line with the style used by the Universities Admissions Centre. You should consider the ATAR figures as a guide to the entry requirements for 2015, because some of the figures will vary. Cutoffs depend on demand for the course in each particular year.

In these tables course duration is given in years, full time (F) or part time (P) if that option exists.

In some of our courses, you will find it useful to have studied certain subjects at school (referred to as 'assumed knowledge'). Such subjects aren't compulsory but they are highly recommended.

If you have any questions, please call our helpline on **1300 362 006** or ask a question on our website sydney.edu.au/future-students

COURSE	MAJORS	DURATION	ASSUMED KNOWLEDGE	ATAR
B Agricultural Economics	Accounting, agribusiness, agricultural economics, agricultural finance, agricultural marketing, agricultural science, commercial law, econometrics, economics, finance, geography, government and international relations, management, marketing, psychology.	4F	Mathematics	81.00
B Animal and Veterinary Bioscience	Animal behaviour and welfare; animal biotechnology; animal genetics; animal health and diseases; animal nutrition; animal reproduction; animal structure and function; aquaculture; cattle, pig, poultry and sheep science and production.	4F	Mathematics and Chemistry *Recommended:* Biology	84.50
B Applied Science (Diagnostic Radiography)	Anatomy, biological sciences, equipment and imaging techniques, image processing, pathology, physics, psychology, radiation biology.	4F	*Recommended:* Mathematics plus one of Physics or Chemistry or Biology.	94.35
B Applied Science (Exercise and Sport Science)	Anatomy; biochemistry; biomechanics; learning and control of human movement; nutrition; physiology/exercise physiology; and the application of these fundamental sciences to sport, exercise, ageing, public health, rehabilitation and research.	3F	Mathematics and Chemistry *Recommended:* Physics and Biology and Personal Development, Health and Physical Education (PDHPE).	88.05
B Applied Science (Exercise and Sport Science)/M Nutrition and Dietetics	Anatomy, biology, biomechanics, chemistry, dietetics, food science, nutrition, physiology/exercise physiology and sport science.	5F	Mathematics and Chemistry *Recommended:* Physics and Biology and Personal Development, Health and Physical Education (PDHPE)	98.45
B Applied Science (Exercise Physiology)	Biomechanics, clinical exercise practice, ergonomics, exercise physiology, functional anatomy, motor control and behaviour.	4F	Mathematics and Chemistry. *Recommended:* Physics and Biology and Personal Development, Health and Physical Education (PDHPE).	92.35
B Applied Science (Occupational Therapy)	Human anatomy, neurosciences, occupational therapy, theory and practice; social sciences.	4F	*Recommended:* Biology or Chemistry	93.40
B Applied Science (Physiotherapy)	Biomechanics, biomedical sciences, behavioural and social sciences, cardiopulmonary physiotherapy theory and practice across the lifespan, exercise science, human anatomy, human movement, musculoskeletal, neurological and neuroscience.	4F	Chemistry and Physics *Recommended:* Mathematics	98.85
B Applied Science (Speech Pathology)	Audiology; linguistics and language development; neurobiology; phonetics; psychology; research methods; and speech pathology specialist areas, for example: aphasia, cleft palate, dysarthria, dyslexia or stuttering.	4F	*Recommended:* English (Advanced)	94.05

COURSE	MAJORS	DURATION	ASSUMED KNOWLEDGE	ATAR
B Arts	*Table A:* At least one of the following majors must be completed: American studies, ancient history, anthropology, Arab world, Islam and the Middle East, Arabic language and literature, archaeology, art history, Asian studies, Australian literature, Biblical studies, Buddhist studies, Celtic studies, Chinese studies, cultural studies, digital cultures, economics, English, European studies, film studies, French studies, gender studies, Germanic studies, government and international relations, Greek (ancient), Hebrew (classical), Hebrew (modern), history, Indigenous studies (subject to final approval), Indonesian studies, International and comparative literary studies, Italian studies, Japanese studies, Jewish civilisation, thought and culture, Korean studies, Latin, linguistics, modern Greek, music, performance studies, philosophy, political economy, Sanskrit, social policy, sociology, socio-legal studies, Spanish, Latin American studies, studies in religion and world religions. Table B: Provided a major is completed in at least one of the subject areas listed in Table A, units of study (sufficient to complete a major, but no more than one major) may also be chosen from biology, biochemistry, bioinformatics, chemistry, computer science, education, environmental studies, geography, geology and geophysics, history and philosophy of science, industrial relations and human resource management, information systems, international business, management, mathematics, microbiology, physics, plant science, psychology, psychology for social work, statistics.	3F/5-9P	Depends on subject areas chosen. Some units of study assume a level of knowledge of the subject area. All subject areas, including languages, may be taken by complete beginners. For full details read the Faculty of Arts and Social Sciences handbook at **sydney.edu.au/handbooks/arts**	82.00
B Arts (Languages)	As for B Arts. Two majors from Table A with at least one major from the following subject areas: Arabic language and literature, Chinese studies, French studies, Germanic studies, Hebrew (modern), Indonesian studies, Italian studies, Japanese studies, Korean studies, Modern Greek studies, Spanish and Latin American studies. Students have the option of completing a third major from either the Faculty of Arts and Social Sciences or another faculty within the University. For further information on the available majors, see the Faculty of Arts and Social Sciences Handbook at **sydney.edu.au/handbooks/arts**	4F/5-9P	Refer to B Arts. It is strongly recommended that students undertaking this degree have some prior experience of language-learning and therefore some familiarity with the kind of study necessary to succeed in language acquisition.	98.50
B Arts (Media and Communications)	All students complete a core program of study in media and communications and a major from B Arts. A second major may be taken from either the Faculty of Arts and Social Sciences or another faculty within the University. For further information on the available majors, see the Faculty of Arts and Social Sciences Handbook at **sydney.edu.au/handbooks/arts**	4F/5-9P	*Arts:* Depends on subject areas chosen. Some units of study assume a level of knowledge of the subject area. All subject areas, including languages, may be taken by complete beginners. For full details read the Faculty of Arts and Social Sciences Handbook at **sydney.edu.au/handbooks/arts**. *Media and Communications:* None.	95.50
B Arts (Media and Communications)/ B Laws	*First year:* Foundations of law, legal research I, torts. *Second year:* Civil and criminal procedure, contracts, criminal law. *Third year:* Legal research II, public international law, public law, torts and contracts II. *Fourth year:* Administrative law, corporations law, equity, evidence, federal constitutional law, introduction to property and commercial law, real property, the legal profession. *Final year:* Private international law, seven optional units of study. *For other degree:* Refer to majors listed for the other relevant degree.	6F	*For Arts (Media and Communications):* Depends on subject areas chosen *For Law:* None	99.70
B Arts/B Economics *	All students complete one core major from econometrics, economics or financial economics. A second major may be selected from B Arts Table A or Table B.		Assumed Knowledge: Mathematics. Other assumed knowledge depends on subjects chosen	NC
B Arts/B Laws	*First year:* Foundations of law, legal research I, torts. *Second year:* Civil and criminal procedure, contracts, criminal law. *Third year:* Legal research II, public international law, public law, torts and contracts II. *Fourth year:* Administrative law, corporations law, equity, evidence, federal constitutional law, introduction to property and commercial law, real property, the legal profession. *Final year:* Private international law, seven optional units of study. *For other degree:* Refer to majors listed for the other relevant degree.	5F	*For Arts:* Depends on subject areas chosen *For Law:* None	99.70
B Arts/B Social Work	Refer to B Arts; includes Indigenous studies (subject to final approval), sociology and/or psychology. For Social Work: Professional two-year program, including research skills, social policy and social work.	5F	Depends on subject areas chosen	82.45
B Arts/M Nursing	*For Nursing:* Acute care, aged care, child and adolescent health, chronic illness, clinical practice, Indigenous health, mental health care and management, pharmacology, physiology, professional practice, social and health policy. *For Arts:* Refer to B Arts.	4F/8P	*For Arts:* Depends on subject areas chosen *For Nursing:* None	82.40
B Commerce	Accounting, business information systems, commercial law, econometrics, economics, finance, industrial relations and human resource management, international business, management, marketing, quantitative business analysis. A second major may be chosen from the above list or from other faculties within the University (depending on the first major chosen). As an alternative to a second major, students may complete a sequence of elective units.	3F	Mathematics. Other assumed knowledge depends on the first-year subjects selected.	95.00

*New course – subject to final approval.

COURSE	MAJORS	DURATION	ASSUMED KNOWLEDGE	ATAR
B Commerce (Liberal Studies)	Students can complete up to three majors, at least one from accounting, business information systems, commercial law, finance, industrial relations and human resource management, international business, management, marketing, quantitative business analysis. The other majors can be drawn from a broader list, which includes all of the above areas as well as majors from the Faculties of Agriculture and Environment, Arts and Social Sciences and Science.	4F	Depends on the first year subjects selected	98.00
B Commerce/B Arts	Refer to B Arts and B Commerce.	5F	Mathematics. Other assumed knowledge depends on the first year subjects selected. Refer to B Arts and B Commerce.	95.00
B Commerce/B Laws	*First year:* Foundations of law, legal research I, torts. *Second year:* Civil and criminal procedure, contracts, criminal law. *Third year:* Legal research II, public international law, public law, torts and contracts II. *Fourth year:* Administrative law, corporations law, equity, evidence, federal constitutional law, introduction to property and commercial law, real property, the legal profession. *Final year:* Private international law, seven optional units of study. *For other degree:* Refer to majors listed for the other relevant degree.	5F	Mathematics *For Law:* None	99.70
B Commerce/ B Science	Refer to B Science and B Commerce.	5F	Mathematics or HSC Mathematics Extension 1. Other assumed knowledge depends on the first year subjects selected. Also refer to B Science.	95.30
B Commerce/ Doctor of Medicine	Refer to B Commerce and the the Sydney Medical School Handbook at **sydney.edu.au/handbooks/medicine**. See also **sydney.edu.au/arts/future_students/courses/combined/economics_medicine_surgery.shtml**. All students need to take some study in biology, chemistry and physics.	7F	Mathematics. Other assumed knowledge depends on first year units selected.	A+C
B Computer Science and Technology	Computer science, databases, group project, information systems, mathematics, professional technology skills, programming, systems analysis. Electives include artificial intelligence, e-business analysis and design, graphics, human-computer interaction, internet software platforms, networking, object-oriented design. Electives may also be taken from other faculties within the University.	3F/6P	Mathematics or HSC Mathematics Extension 1 (depending on subjects chosen)	81.80
B Computer Science and Technology (Advanced)	As for B Computer Science and Technology, but with study at an advanced level.	3F/6P	HSC Mathematics Extension 1	89.95
B Design Computing	Creative programming, digital design, human-computer interaction, interaction design, modelling, physical computing. Other related units and majors may be taken from fields including arts and social sciences, business, engineering, information technologies and science.	3F	Mathematics	80.25
B Design in Architecture	The program is structured around a required set of core units of study, with a range of elective units of study within and outside the faculty. Core units include architectural design, architectural history and theory, architectural technologies, architectural communications, art workshops, professional practice, and environment and sustainability. Elective units within the Faculty of Architecture, Design and Planning are offered in allied arts in architecture, urban design and planning, and digital architecture. Students may also take electives from any faculty in the University.	3F	English (Advanced) and Mathematics	96.95
B Design in Architecture/B Laws	*First year:* Foundations of law, legal research I, torts. *Second year:* Civil and criminal procedure, contracts, criminal law. *Third year:* Legal research II, public international law, public law, torts and contracts II. *Fourth year:* Administrative law, corporations law, equity, evidence, federal constitutional law, introduction to property and commercial law, real property, the legal profession. *Final year:* Private international law, seven optional units of study. *For other degree:* Refer to majors listed for the other relevant degree.	5F	English (Advanced) and Mathematics *For Law:* None	99.70
B Economics	All students complete one core major from econometrics, economics or financial economics. A second major may be chosen from the core majors, or from the majors offered by the Business School (eg accounting or finance). Alternatively, a second major may be selected from B Arts Table A or Table B, so long as students have completed sufficient units of study from the School of Economics and the Business School. For further information on the available majors, see the Faculty of Arts and Social Sciences Handbook at **sydney.edu.au/handbooks/arts**	3F	Mathematics. Other assumed knowledge depends on the first-year subjects selected.	91.60
B Economics/B Laws	*First year:* Foundations of law, legal research I, torts. *Second year:* Civil and criminal procedure, contracts, criminal law. *Third year:* Legal research II, public international law, public law, torts and contracts II. *Fourth year:* Administrative law, corporations law, equity, evidence, federal constitutional law, introduction to property and commercial law, real property, the legal profession. *Final year:* Private international law, seven optional units of study. *For other degree:* Refer to majors listed for the other relevant degree.	5F	*For Economics:* Mathematics *For Law:* None	99.70

A+C Combination of ATAR and additional selection criteria.

COURSE	MAJORS	DURATION	ASSUMED KNOWLEDGE	ATAR
B Economics/ Doctor of Medicine	Refer to B Economics and the Sydney Medical School Handbook at **sydney.edu.au/handbooks/medicine**. See also **sydney.edu.au/arts/future_students/courses/combined/economics_medicine_surgery.shtml**. All students need to take some study in biology, chemistry and physics.	7F	Mathematics. Other assumed knowledge depends on first year units selected.	A+C
B Education (Early Childhood)	General units in education and professional studies including child development and learning; early childhood curriculum and teaching; early childhood management leadership and advocacy; families, community and diversity; and study in key learning areas (eg arts, health and wellbeing, languages, mathematics, and science). Units in the humanities, sciences and social sciences are offered by the Faculties of Arts and Social Sciences, Science, and the Business School. This qualification is not suitable for teachers seeking employment in the kindergarten to Year 6 school sector.	4F	Depends on subjects selected	79.10
B Education (Primary Education)	General units in child development and learning, education and professional studies, specialist studies in key learning areas (eg language, arts, mathematics, health and wellbeing, and science). Units in the humanities, sciences and social sciences are offered by the faculties of Arts and Social Sciences, Science, and the Business School.	4F	Currently depends on subjects chosen. Graduates intending to seek employment in NSW schools to teach at primary level need to have achieved specific levels of study in English and mathematics at the NSW HSC or equivalent. For students who do not meet the requirements when they commence the course, the University offers study concurrent with their degree to achieve the required level. Where assumed knowledge depends on subjects chosen, visit **sydney.edu.au/handbooks** for more information	88.05
B Education (Secondary: Human Movement and Health Education)	Health education and human movement education.	4F	Currently depends on subjects chosen. Graduates intending to seek employment in NSW schools to teach at secondary level need to have achieved specific levels of study in English at the NSW HSC or equivalent. For students who do not meet the requirements when they commence the course, the University offers study concurrent with their degree to achieve the required level.	80.45
B Education (Secondary: Humanities and Social Sciences)/ B Arts	All students follow a core program of study in education, along with intensive study and professional experience in teaching areas. All students need to select two teaching areas. These may include Aboriginal studies, drama, business studies/commerce, economics/commerce, English, geography, history, languages, mathematics or TESOL. A major needs to be taken in one or two teaching areas. Students may qualify to teach in a third teaching area (TESOL only). Business studies, geography, mathematics or TESOL may be taken as a second teaching area only. Students may not take both economics and business studies.	5F	Currently depends on subjects chosen. Graduates intending to seek employment in NSW schools to teach at secondary level need to have achieved specific levels of study in English at the NSW HSC or equivalent. For students who do not meet the requirements when they commence the course, the University offers study concurrent with their degree to achieve the required level.	82.05
B Education (Secondary: Mathematics)/ B Science	All students follow a core program of study in education, along with intensive study and professional experience in teaching areas. A major needs to be taken in mathematics. A second teaching area can be taken in one of the following: biology, chemistry, earth and environmental science, geography or physics.	5F	Currently depends on subjects chosen. Graduates intending to seek employment in NSW schools to teach at secondary level needs to have achieved specific levels of study in English at the NSW HSC or equivalent. For students who do not meet the requirements when they commence the course, the University offers study concurrent with their degree to achieve the required level. *For B Science:* Mathematics or HSC Mathematics Extension 1.	83.00
B Education (Secondary: Science)/ B Science	All students follow a core program of study in education, along with intensive study and professional experience in teaching areas. All students need to select two teaching areas from the following: biology, chemistry, earth and environmental science, geography, mathematics and physics. A major has to be taken in a Science teaching area.	5F	Currently depends on subjects chosen. Graduates intending to seek employment in NSW schools to teach at secondary level need to have achieved specific levels of study in English at the NSW HSC or equivalent and have taken at least one year of Chemistry or Physics at university. For students who do not meet the prerequisites when they commence the course, the University offers study concurrent with their degree to achieve the required level. *For B Science:* Mathematics or HSC Mathematics Extension 1.	83.00

A+C Combination of ATAR and additional selection criteria.

COURSE	MAJORS	DURATION	ASSUMED KNOWLEDGE	ATAR
B Engineering (Aeronautical)	Aerospace technology, aircraft design and operations, control systems, low-speed aerodynamics, materials, structural analysis.	4F	HSC Mathematics Extension 1 and Physics	90.85
B Engineering (Aeronautical) (Space)	Aerospace structures, composite materials, mechanics, propulsion, space electronics, space engineering.	4F	HSC Mathematics Extension 1 and Physics	99.40
B Engineering (Biomedical)	Bioelectronics; biomaterials; biomechanics; biomedical technology; computing; engineering design and manufacture; fundamentals of biomedical engineering systems; human biology. Students complete one major from the following list: chemical and biomolecular engineering, electrical engineering, information technology, mechanical engineering or mechatronic engineering.	4F	HSC Mathematics Extension 1 and Physics and Chemistry	90.15
B Engineering (Chemical and Biomolecular)	Chemical-process case studies, computations, flow sheets and optimisation, materials and corrosion, and solid mechanics.	4F	HSC Mathematics Extension 1 and Chemistry	87.50
B Engineering (Civil)	Civil engineering design, concrete and steel structures, engineering geology, fluids, introduction to structural concepts, soil mechanics.	4F	HSC Mathematics Extension 1 and Physics	90.55
B Engineering (Civil) (Construction Management)	Project formulation, project management IT, project planning and tendering, structural mechanics, surveying, transport engineering and planning.	4F	HSC Mathematics Extension 1 and Physics	92.50
B Engineering (Civil) (Environmental)	Environmental decision-making, environmental mechanics, geotechnics, introduction to structural concepts, water resources engineering.	4F	HSC Mathematics Extension 1 and Physics	91.40
B Engineering (Civil) (Geotechnical)	Concrete and steel structures, environmental geotechnics, finite element methods, geology, geotechnical engineering, structural mechanics.	4F	HSC Mathematics Extension 1 and Physics	97.45
B Engineering (Civil) (Structures)	Civil engineering, structural engineering.	4F	HSC Mathematics Extension 1 and Physics	94.90
B Engineering (Civil)/B Design in Architecture	Only available in the civil engineering stream. The degree develops professionals who work with architectural and structural engineering design. The emphasis is on conceptual and aesthetic aspects of the design process (architecture), analysis of forces within the structure, and how to proportion the structural skeleton to support these forces (engineering). Graduates have skills integral to the structural design and architectural professions.	5F	HSC Mathematics Extension 1 and Physics and English (Advanced)	97.15
B Engineering (Electrical) (Power)	Communications, digital signal processing, electrical energy systems and management, electronic circuit design, embedded computing, engineering and electromagnetics, management for engineers, power electronics and drives.	4F	HSC Mathematics Extension 1 and Physics	87.65
B Engineering (Electrical) (Telecommunications, Electrical, Computer)	Circuit analysis, data communications and the internet, digital devices and circuits, digital system design, electronic devices and circuits, foundations of computer systems, foundations of electrical circuits, fundamentals of feedback control, microcomputer systems, operating systems, optical systems, real-time computing, satellite systems, signals and systems, software development, switching devices and circuits.	4F	HSC Mathematics Extension 1 and Physics	90.60
B Engineering (Mechanical)	Industrial management, materials, mechanical design, mechanics of solids, system control, thermodynamics.	4F	HSC Mathematics Extension 1 and Physics	91.05
B Engineering (Mechanical) (Space)	Orbital mechanics, satellite communications systems, smart materials and structures, space engineering, system dynamics.	4F	HSC Mathematics Extension 1 and Physics	98.05
B Engineering (Mechatronic)	Electronic devices and circuits, industrial management, introductory electrics, mechanical design, power electronics and drives.	4F	HSC Mathematics Extension 1 and Physics	91.95
B Engineering (Mechatronic) (Space)	Launch technology, mechatronics, remote sensing, satellite communications systems, satellite subsystems, space engineering.	4F	HSC Mathematics Extension 1 and Physics	99.80
B Engineering (Software)	Data communications and the internet, network programming, operating systems, signals and systems, software validation and verification.	4F	HSC Mathematics Extension 1 and Physics	91.05
B Engineering, B Computer Science and Technology and B Information Technology Flexible First Year Program	Computer science and technology, engineering, information technology.	4F	HSC Mathematics Extension 1 and Physics and/or Chemistry	86.45
B Engineering/B Arts	This course allows students to combine core technology-based engineering skills with those from the humanities, social sciences and languages. Students can complete one major and one minor study in Arts areas such as linguistics, anthropology, cultural studies, digital cultures, film studies, a language or linguistics. Refer to B Arts for the complete list. Engineers need to have skills in areas other than engineering to adapt to changes in the profession.	5F	HSC Mathematics Extension 1 and Physics and/or Chemistry	91.50
B Engineering/B Commerce	Allows for major study in two areas of Commerce, including accounting and economics, econometrics, finance, human resources management, industrial relations and marketing. Refer to B Commerce for available majors. Career examples include engineering management and consultancy.	5F	HSC Mathematics Extension 1 and Physics and/or Chemistry	95.10

COURSE	MAJORS	DURATION	ASSUMED KNOWLEDGE	ATAR
B Engineering/B Laws	*First year:* Foundations of law, legal research I, torts. *Second year:* Civil and criminal procedure, contracts, criminal law. *Third year:* Legal research II, public international law, public law, torts and contracts II. *Fourth year:* Administrative law, corporations law, equity, evidence, federal constitutional law, introduction to property and commercial law, real property, the legal profession. *Final year:* Private international law, seven optional units of study. *For other degree:* Refer to majors listed.	6F	*For Engineering:* HSC Mathematics Extension 1 and Physics and/or Chemistry *For Law:* None	99.70
B Engineering/B Medical Science	This interdisciplinary program combines core elements of Engineering and Medical Science. Career examples include engineering and/or medical science in the areas of biological systems or applications and medical technology and emerging biomedical-technology industries.	5F	HSC Mathematics Extension 1 and Physics and/or Chemistry	93.65
B Engineering/B Project Management	This degree provides foundation skills in engineering and project management. Core units include client management, conflict resolution, leadership, project initiation and planning, and risk management and mitigation in the workplace. Career examples include banking and finance, construction, engineering leadership and management, federal and state government organisations, management, mining, and property development.	5F	HSC Mathematics Extension 1 and Physics and/or Chemistry	90.75
B Engineering/B Science	The degree allows major study in two areas of Science not necessarily in common with engineering (eg biochemistry, geology, biology or psychology can be taken with Engineering – refer to B Science for the complete list). Graduates have skills that allow for specialisation in areas of research, consulting and technological solutions.	5F	HSC Mathematics Extension 1 and Physics and/or Chemistry.	90.50
B Environmental Systems	Agricultural systems including: agronomy, agro-forestry, biosphere-atmosphere interactions, hydrology, plant pathology, plant science, soil science, spatial information systems. Natural terrestrial systems including: biogeochemistry, ecology, environmetrics, fluvial systems, geomorphology, hydrology.	3F	Mathematics and Chemistry	80.50
B Food and Agribusiness	Agribusiness including: agricultural trade, business, marketing, human resource management, quality assurance, retail, supply chain management, transport logistics, value adding. Food science including: food biochemistry, food safety, global food security, microbiology, nutrition for health packaging, postharvest, product development.	4F	Mathematics and Chemistry *Recommended:* Biology	81.40
B Health Sciences	Health sciences, and a second major in one of the following: anatomy and histology, industrial relations and human resource management, hearing and speech, management, marketing, movement science, psychology, sociology, or a specific language.	3F		80.00
B Health Sciences/M Nursing	*For Nursing:* Acute care, aged care, child and adolescent health, chronic illness, clinical practice, Indigenous health, mental health care and management, pharmacology, physiology, professional practice, social and health policy. *For Health Sciences:* Refer to B Health Sciences.	4F/8P	*For Health Sciences:* None *For Nursing:* None *Recommended:* Chemistry or a chemistry bridging course.	80.55
B Information Technology	Computer science, databases, group project, information systems, mathematics, professional technology skills, programming, systems analysis. Electives include advanced data models, data mining, high-performance network computing knowledge management, mobile networking, multimedia storage and retrieval, natural language processing software architecture. Electives may also be taken from other faculties within the University.	4F/8P	Mathematics or HSC Mathematics Extension 1 (depending on subjects chosen)	97.80
B Information Technology/B Arts	This course allows students to combine technology skills with those from the humanities, social sciences and languages. Students can complete one major and one minor study in Arts areas such as linguistics, anthropology, cultural studies, digital cultures, film studies, a language or linguistics. Refer to B Arts for the complete list. Career options include computational linguistics and media, consulting, and professions linking Arts and IT.	5F	HSC Mathematics Extension 1 and Physics and/or Chemistry	92.95
B Information Technology/ B Commerce	The five-year combined degree provides a structured program in Information Technology and Commerce. All students undertake core study in computer science, information systems, accounting and economics. Career examples include management and technical consulting, electronic commerce, information services management, information architecture, web development and management. Refer to B Information Technology and B Commerce.	5F	HSC Mathematics Extension 1 and Physics and/or Chemistry	95.60
B Information Technology/B Laws	*First year:* Foundations of law, legal research I, torts. *Second year:* Civil and criminal procedure, contracts, criminal law. *Third year:* Legal research II, public international law, public law, torts and contracts II. *Fourth year:* Administrative law, corporations law, equity, evidence, federal constitutional law, introduction to property and commercial law, real property, the legal profession. *Final year:* Private international law, seven optional units of study. *For other degree:* Refer to majors listed.	6F	*For Information Technology:* Mathematics or HSC Mathematics Extension 1 (depending on subjects chosen) *For Law:* None	99.70

COURSE	MAJORS	DURATION	ASSUMED KNOWLEDGE	ATAR
B Information Technology/B Medical Science	The five-year degree develops skills in biomedicine, bioinformatics, information technology and medical sciences. Career examples include the biomedical or bioinformatics industries, government health services. Refer to B Information Technology and B Medical Science (First-year Entry).	5F	HSC Mathematics Extension 1 and Physics and/or Chemistry	96.75
B Information Technology/B Science	All students undertake core units in computer science, information systems and selected Science areas including biology, chemistry, geography, mathematics, physics or psychology. Refer to B Science for the complete list. Career examples include those in IT and science, research, consulting and technology solutions.	5F	HSC Mathematics Extension 1 and Physics and/or Chemistry	93.25
B International and Global Studies	All students follow an interdisciplinary core program in international and global studies with a major chosen from: anthropology, government and international relations, history, international business, political economy, sociology or an area study (American studies, Arab world, Islam and the Middle East, Asian studies or European studies). Students are required to complete at least 18 credit points of study in a second language. Also, a period of study overseas through the International Exchange Program is mandatory. There is a wide range of disciplines, including a second language, in which students may plan a second major. However students need to consult the specific requirements of their intended second major to make sure they can first meet the core requirements of the degree. For further information on the available majors, see B Arts and the Faculty of Arts and Social Sciences Handbook at **sydney.edu.au/handbooks/arts**	3F/6P	Depends on the first-year subjects selected.	95.05
B International and Global Studies/B Laws	*First year:* Foundations of law, legal research I, torts. *Second year:* Civil and criminal procedure, contracts, criminal law. *Third year:* Legal research II, public international law, public law, torts and contracts II. *Fourth year:* Administrative law, corporations law, equity, evidence, federal constitutional law, introduction to property and commercial law, real property, the legal profession. *Final year:* Private international law, seven optional units of study. *For other degree:* Refer to majors listed for the other relevant degree.	5F	*For International and Global Studies:* Depends on subject areas chosen *For Law:* None	99.70
B Liberal Arts and Science	At least one major needs to be chosen from the major studies as listed for B Arts or B Science. In addition, a sequence of subjects in Science (if an Arts major is chosen), or in Arts (if a Science major is chosen), and a sequence in the liberal studies stream is taken.	3F/6P	Depends on subjects selected.	70.25
B Medical Science (First-year Entry)	Anatomy and histology, biochemistry, cell pathology, immunology, molecular biology and genetics, neuroscience, nutrition and metabolism, pharmacology, physiology. Additional Science majors are available, refer to B Science.	3F/6P	Mathematics and Chemistry, Physics or Biology. All students in the B Medical Science need to study first-year mathematics.	92.50
B Medical Science (Second-year Entry)	Anatomy and histology, biochemistry, cell pathology, immunology, molecular biology and genetics, neuroscience, nutrition and metabolism, pharmacology, physiology. Additional Science majors are available, refer to B Science.	2F/4P	Mathematics and Chemistry and Physics and Biology	N/A
B Medical Science/ Doctor of Medicine	Refer to B Science (Advanced) or B Medical Science (First-year Entry) and the Sydney Medical School Handbook at **sydney.edu.au/handbooks/medicine**. See also **sydney.edu.au/arts/future_students/courses/combined/economics_medicine_surgery.shtml**. All students need to take some study in biology, chemistry and physics.	7F	Mathematics or HSC Mathematics Extension 1. All students in the Science/Medicine program need to take some units of study in mathematics.	A+C
B Music (Composition)	Composition skills and techniques. Students study in both traditional and electroacoustic composition areas, including sound art, digital music and computer music. Core studies are also undertaken in analysis, history and culture, composer performance workshop, composition through improvisation and music skills (aural perception, harmony and analysis, music technology and sound recording).	4F	Music 2	A+C
B Music (Music Education)	Music education, plus instrument or voice or academic study selected from brass (horn, trombone, trumpet, tuba), composition, historical performance (baroque flute, baroque trumpet, harpsichord, lute, recorder, viola da gamba), jazz studies (bass, drums, electric guitar, piano, saxophone, trombone, trumpet), musicology, organ, percussion, piano, strings (cello, double bass, guitar, harp, viola, violin), vocal studies (classical or jazz), woodwind (bassoon, clarinet, flute, oboe, saxophone). Studies are also undertaken in analysis, history and cultural studies, and music skills (aural perception, harmony and analysis).	4F	Music 2	A+C
B Music (Musicology)	History and analysis of music, musicology, musicology workshops. Students also undertake studies in music skills (aural perception, harmony and analysis), pedagogy, performance and subjects from other faculties.	4F	Music 2	A+C
B Music (Performance-Jazz)	Jazz performance (bass, brass, drums, electric guitar, piano, vibraphone and woodwind plus improvisation class), jazz ensemble. Studies are also taken in jazz analysis, jazz history, jazz music skills, jazz pedagogy and music business skills.	4F	Music 2	A+C

A+C Combination of ATAR and additional selection criteria.

COURSE	MAJORS	DURATION	ASSUMED KNOWLEDGE	ATAR
B Music (Performance)	Instrument or voice selected from brass (horn, trombone, trumpet, tuba), historical performance (baroque flute, baroque trumpet, harpsichord, lute, recorder, viola da gamba), organ, percussion, piano, strings (cello, double bass, guitar, harp, viola, violin), vocal studies (classical) and woodwind (bassoon, clarinet, flute, oboe, saxophone), analysis, history and cultural studies, music skills (aural perception, harmony and analysis), teaching music and subjects from other faculties.	4F	Music 2	A+C
B Music Studies	Academic study, instrument or voice selected from brass (horn, trombone, trumpet, tuba), composition, historical performance (baroque flute, baroque trumpet, harpsichord, lute, recorder, viola da gamba), musicology, organ, percussion, strings (cello, double bass, guitar, harp, viola, violin), voice (classical or jazz) and woodwind (bassoon, clarinet, flute, oboe, saxophone). Studies are also undertaken in analysis, history and cultural studies, music skills (aural perception, harmony and analysis), teaching music and subjects from other faculties.	3F	Music 2	A+C
B Music Studies/B Arts	Academic study, instrument or voice selected from brass (horn, trombone, trumpet, tuba), composition, historical performance (baroque flute, baroque trumpet, harpsichord, lute, recorder, viola da gamba), musicology, organ, percussion, piano, strings (cello, double bass, guitar, harp, viola, violin), voice (classical or jazz) and woodwind (bassoon, flute, clarinet, oboe, saxophone). Studies are also undertaken in analysis, history and culture, music skills (aural perception, harmony and analysis) and teaching music.	5F	Music 2	A+C
B Music Studies/ Doctor of Medicine	Instrument or voice or academic study selected from brass (horn, trombone, trumpet, tuba), historical performance (baroque flute, harpsichord, lute, recorder, viola da gamba), organ, piano, musicology and composition, percussion, strings (cello, double bass, guitar, harp, viola, violin), voice (classical and jazz) and woodwind (bassoon, flute, clarinet, oboe, saxophone). Visit **sydney.edu.au/music** and the Sydney Medical School Handbook at **sydney.edu.au/handbooks/medicine**. See also **sydney.edu.au/arts/future_students/courses/combined/economics_medicine_surgery.shtml**. All students need to take some study in biology, chemistry and physics..	7F	Music 2	A+C
B Nursing (Advanced Studies)	Acute care, aged care, child and adolescent health, chronic illness, clinical practice, Indigenous health, mental health care and management, pharmacology, physiology, professional practice, social and health policy.	3F/6P		84.75
B Oral Health	Dental hygiene, dental therapy and oral health promotion.	3F	*Recommended:* Chemistry	A+C
B Pharmacy	Biology, chemistry, medicinal chemistry, pharmaceutical sciences, pharmaceutics, pharmacology, pharmacy and pharmacy practice. Optional majors in *Fourth year:* rural or industrial pharmacy or international exchange.	4F	Mathematics and Chemistry *Recommended:* Biology or Physics	90.05
B Political, Economic and Social Sciences	Students need to complete at least two years of study in any two of economics, government and international relations, political economy, and either sociology or anthropology. One of these five subject areas needs to be selected as a major. A second major or electives may be chosen from B Arts. For further information on the available majors, see the Faculty of Arts and Social Sciences Handbook at **sydney.edu.au/handbooks/arts**	3F/6P	Depends on the first year subjects selected.	83.25
B Project Management	Available streams: built environment, civil engineering science or software. Studies include: complex project co-ordination, management data and analytics, organisational behaviour, project finance, project management, psychology, quality management and negotiating and contracting project services, risk management, statistics. A capstone project is taken in the final year. Built environment stream units and capstone project are taken in the Faculty of Architecture, Design and Planning.	3F	HSC Mathematics Extension 1	86.25
B Psychology	For Arts stream majors: Psychology, arts major (refer to B Arts for the list of majors available). For Science stream major: Psychology.	4F/8P	*For First-year Entry in Science stream:* Mathematics. All students in the B Psychology science stream need to take some units of study in mathematics. *For both streams:* Depends on electives chosen.	97.00
B Resource Economics	Agricultural science, biology, chemistry, commercial law, econometrics, economics, finance, geography, geology, government and international relations, marine science, mathematics, resource economics, soil science, statistics.	4F	HSC Mathematics Extension 1 *Recommended:* Biology or Chemistry or Earth and Environmental Science	80.00
B Science	Agricultural chemistry, anatomy and histology, biochemistry, bioinformatics, biology (animal, plant genetics), cell pathology, chemistry, computer science, environmental studies, financial mathematics and statistics, geography, geology and geophysics, history and philosophy of science, immunobiology, information systems, marine science, mathematics, medicinal chemistry, microbiology, molecular biology and genetics, nanoscience and technology, neuroscience, nutrition and metabolism, pharmacology, physics, physiology, plant science, psychology, soil science, statistics.	3F/6P	Mathematics or HSC Mathematics Extension 1 (depending on subjects chosen)	83.00

A+C Combination of ATAR and additional selection criteria.

COURSE	MAJORS	DURATION	ASSUMED KNOWLEDGE	ATAR
B Science (Advanced Mathematics)	Financial mathematics and statistics, mathematics, statistics.	3F	HSC Mathematics Extension 2	98.35
B Science (Advanced)	Refer to B Science. Advanced majors include anatomy and histology, biochemistry, bioinformatics, biology, chemistry, computational science, computer science, financial mathematics and statistics, geography, geology and geophysics, immunobiology, marine biology, marine geoscience, marine science, mathematics, medicinal chemistry, microbiology, nanoscience and technology, neuroscience, pharmacology, physics, physiology, plant science, statistics.	3F/6P	Mathematics or HSC Mathematics Extension 1 (depending on subjects chosen)	95.00
B Science (Advanced)/Doctor of Medicine	Refer to B Science (Advanced) or B Medical Science (First-year Entry) the Sydney Medical School Handbook at **sydney.edu.au/handbooks/medicine**. See also **sydney.edu.au/arts/future_students/courses/combined/economics_medicine_surgery.shtml**. All students need to take some study in biology, chemistry and physics.	7F	Mathematics or HSC Mathematics Extension 1. All students in the Science/Medicine program need to take some units of study in mathematics.	A+C
B Science in Agriculture	Agricultural chemistry, agricultural economics, agricultural genetics, agronomy, entomology, environmetrics, farming systems, food science, horticulture, livestock production, plant pathology, soil science.	4F	Mathematics and Chemistry	76.85
B Science/B Arts	Refer to B Science and B Arts.	4F/8P	*For Science:* Mathematics or HSC Mathematics 1 *For Arts:* Depends on subjects chosen. All students in the B Science/B Arts must take some units of study in mathematics.	83.25
B Science/B Laws	*First year:* Foundations of law, legal research I, torts. *Second year:* Civil and criminal procedure, contracts, criminal law. *Third year:* Legal research II, public international law, public law, torts and contracts II. *Fourth year:* Administrative law, corporations law, equity, evidence, federal constitutional law, introduction to property and commercial law, real property, the legal profession. *Final year:* Private international law, seven optional units of study. *For other degree:* Refer to majors listed for the other relevant degree.	5F	*For Science:* Mathematics or HSC Mathematics Extension 1 *For Law:* None	99.70
B Science/M Nursing	*For Nursing:* Acute care, aged care, child and adolescent health, chronic illness, clinical practice, Indigenous health, mental health care and management, pharmacology, physiology, professional practice, social and health policy. *For Science:* Refer to B Science.	4F/8P	*For Science:* Mathematics or HSC Mathematics 1 *For Nursing:* None All students in the B Science/B Nursing must take some units of study in mathematics.	83.45
B Science/M Nutrition and Dietetics	Students need to complete a major in one of biochemistry, microbiology, physiology or psychology. For master's degree: Clinical nutrition, nutritional science and public health nutrition. A credit grade point average in the B Science is necessary for progression into the M Nutrition and Dietetics.	5F	Mathematics and Chemistry and Biology. All students must take some units of study in mathematics. Other assumed knowledge depends on the units studied.	97.55
B Social Work	Social policy and social work, sociology, Indigenous Australian studies, psychology and social research. First- and second-year students may choose from the areas listed under B Arts. Third- and fourth-year students undertake a professional program in social work and social policy.	4F	Depends on subject areas chosen	80.10
B Veterinary Biology/Doctor of Veterinary Medicine	Animal diseases and pathobiology, animal husbandry, cell biology, clinical and professional practice, pharmacology, veterinary anatomy and physiology, veterinary conservation biology, veterinary medicine, veterinary surgery.	6F	Chemistry and Mathematics and Physics. *Recommended:* Biology	A+C
B Visual Arts	Painting, photomedia, printmedia, screen arts, sculpture (including ceramics and glass), jewellery and object, and critical studies. A wide range of electives is available in contemporary art and other disciplines across the University. An honours year allows students to pursue a substantial research project in a one-on-one supervisory relationship with academic staff. The major area of study can be named on your degree testamur.	3F/6P	Visual Arts and Design and Technology.	A+C
Dip Music	Instrumental study in brass (horn, trombone, trumpet, tuba), historical performance (baroque flute, harpsichord, lute, recorder, viola da gamba), jazz studies, organ, piano, percussion, strings (cello, double bass, guitar, harp, viola, violin), woodwind (bassoon, clarinet, flute, oboe, saxophone) or voice (classical).	2F	Music 2	A+C

A+C Combination of ATAR and additional selection criteria.

ACCESS SYDNEY
ALTERNATIVE PATHWAYS

Getting the 'right' ATAR is not the only way to obtain a place here. Access Sydney offers alternative entry pathways for Year 12 students, and you may be eligible to apply for more than one.

EARLY OFFER YEAR 12 (E12) SCHEME

E12 shifts focus from the ATAR alone. Through E12 you can show us more about yourself, and your enthusiasm for a course of study. E12 is for students who have been financially disadvantaged during their time at school and who have the potential to succeed at the University of Sydney. With E12 you could have an early conditional offer and a scholarship, as well as support for your transition to university study.

FLEXIBLE ENTRY SCHEME

Flexible entry looks at the whole you, not just your ATAR. If you are a Year 12 student and are taking HSC subjects relevant to your degree of interest, you may be eligible to apply. This scheme gives you the chance to receive an offer for a course if you achieve an ATAR that falls within five points of the published ranking.

BROADWAY SCHEME

Students who have experienced long-term educational disadvantage can apply through the Broadway Scheme. This is provided through the University of Sydney's Educational Access Scheme (EAS). More than 600 Broadway Scheme places are awarded to eligible applicants each year.

CADIGAL ALTERNATIVE ENTRY

The Cadigal Alternative Entry Program is an access scheme and academic support program for Aboriginal and Torres Strait Islander applicants. The program aims to encourage greater participation by Aboriginal and Torres Strait Islander students in tertiary education.

Sydney Medical School welcomes high-achieving students through our Aboriginal and Torres Strait Islander pathway. Applicants need to also apply through the Cadigal Special Entry Program and attend an interview. This entry pathway is available only for:

– Science (Advanced)/Medicine
– Medical Science/Medicine.

ELITE ATHLETE AND PERFORMERS SCHEME

This scheme is for applicants who are able to demonstrate they are elite athletes or performers, and have had training, competition and/or practice commitments that significantly affected their academic results at high school.

RURAL ENTRY SCHEMES

The University offers two special entry schemes for applicants from rural backgrounds, linked to the faculties of Pharmacy and Veterinary Science. These schemes are designed to improve access into the University's courses for Year 12 students from rural areas.

For more information on entry pathways to the University of Sydney, visit sydney.edu.au/access

YOUR PATH TO SYDNEY UNI

An information evening for students and parents

Don't miss our information evening in May 2014. It's a great way to learn about alternative entry pathways and ask questions. We'll post the details on our website closer to the date.

sydney.edu.au/access

COURSE-SPECIFIC APPLICATION REQUIREMENTS

For entry to some of our courses, we consider more than just your marks. In these cases we need to know more about you, and may ask you to submit a portfolio or visit the University for an interview or audition. The following courses have additional application requirements.

MEDICINE

A small number of high-achieving students study medicine as part of our seven-year double degree program.

For domestic applicants commencing in 2015, the required ATAR is expected to be 99.95 (or equivalent) for all double degree medicine courses, except the Bachelor of Music Studies/Doctor of Medicine (expected to be 99.5).

International applicants require an ATAR of 99.5 (or equivalent) to be considered for admission. Please refer to the conversion table at **sydney.edu.au/ug-int-academic** for further information.

Applicants are also required to undertake a semi-structured interview. Applicants for the Bachelor of Music Studies/Doctor of Medicine will undertake an interview and an audition. The results of the interview and audition (where relevant) will form part of the ranking of applicants.

Applicants are eligible to apply for admission to a double degree medicine program at the first opportunity after graduating from high school, regardless of when their results become available.

Most medical students join us through our graduate-entry scheme. If you plan to apply for graduate entry, you should start the application process at least 12 months in advance.

Applications to study medicine are complex. For more information, application timelines and entry requirements, visit **sydney.edu.au/medicine**

MUSIC

To apply for courses at the Sydney Conservatorium of Music, you need to submit your UAC application, and an application for an audition and/or interview by 30 September (a fee applies). You may then be invited to an audition and/or interview in late November or early December. For more information, visit **sydney.edu.au/music**

DENTISTRY

After you register with UAC, you also need to register online with the Faculty of Dentistry by late October 2014, and sit a Personal Qualities Assessment (PQA) test in November (there is a $75 fee). Applicants who are successful in the PQA test will be invited to multiple mini interviews in early December 2014. For further information, visit **sydney.edu.au/dentistry/student**

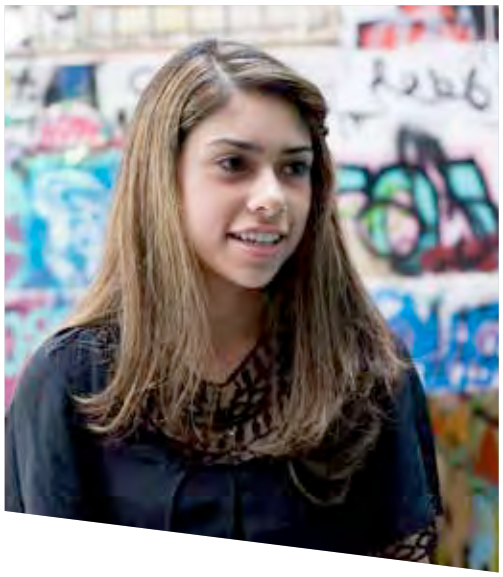
VETERINARY BIOLOGY/DOCTOR OF VETERINARY MEDICINE

In addition to a UAC application, all applicants need to submit a Commitment to Veterinary Science form by 30 November and complete the Special Tertiary Admission Test (STAT). For more details, see **sydney.edu.au/vetscience**

VISUAL ARTS

In addition to a UAC application, all local applicants need to submit a portfolio of artwork. A panel will assess your portfolio on the basis of your critical skills, cultural awareness, communication skills, potential for skill development, evidence of resolved ideas, and creative thinking.

You will be invited to apply to attend an interview or submit your portfolio shortly after submitting your UAC application. Applications to attend an interview are accepted until early November. If you cannot attend an interview or if you submit your UAC application after the interview closing date, we will ask you to submit your portfolio to Sydney College of Arts (SCA). Portfolios are accepted until UAC's final closing date for applications. For more details, see **sydney.edu.au/sca/bva/apply**



COSTS AND SCHOLARSHIPS

Going to university is a big financial commitment, but don't let the cost of study deter you. At the University of Sydney, there are many ways to get help if you need it.

There are five main financial options you need to consider. It's helpful to think of them separately, as each has a different timeline and application process.

CENTRELINK ASSISTANCE

If you are eligible for a Centrelink allowance or scholarship, this can be immensely helpful while you are studying.

Timeline: Check your eligiblity for Centrelink assistance at least six months before your uni course starts.

SCHOLARSHIPS

There are a wide range of University of Sydney and faculty scholarships that you may be eligible for.

Timeline: Apply for most scholarships by September of the year before your course starts.

COURSE FEES

Before you start your course, you need to determine the amount of 'student contribution' you need to pay, and how you wish to pay it (eg with a HECS-HELP loan).

Timeline: Course fees are due at the start of semester.

SSA FEE

You will need to pay the Student Services and Amenities (SSA) fee at the start of each semester. If eligible, you can obtain an SA-HELP loan from the Australian Government.

Timeline: The SSA fee is due at the start of semester.

BURSARIES AND LOANS

If you need financial assistance after you've started studying, we offer bursaries (payments for students in need), interest-free loans and emergency financial help.

Timeline: You can apply for bursaries and loans at any time while you are a currently enrolled student.

SCHOLARSHIPS INFORMATION NIGHT

This infomation session on 26 June 2014 is a great way to learn about the scholarship opportunities available to you. Details will be posted on our website closer to the date.
sydney.edu.au/scholarships

CENTRELINK ASSISTANCE

Depending on your circumstances, you may be entitled to an allowance from Centrelink.

- **Youth Allowance** is a payment made by the Australian Government to young people who are studying, training or looking for work.
- **Abstudy** is a similar payment specifically for Aboriginal and Torres Strait Islander students.

Both are designed to help you cover your living expenses while you study.

If you're from a regional background, you may be eligible for additional financial help through a Relocation Scholarship and/or Rent Assistance.

For more information on Youth Allowance, call 13 24 90.

For Abstudy, call 13 23 17, or visit
www.centrelink.gov.au

SCHOLARSHIPS

UNIVERSITY OF SYDNEY SCHOLARSHIPS

We offer more than 500 scholarships for undergraduate students. These give you the financial freedom to focus on your study and other commitments.

You may be eligible to apply if you've done well at school, excel at sport or music, have come from a rural or regional area or have serious financial or other disadvantages.

You can apply for most of our school leavers' scholarships by filling in just one application form.

Applications for school leavers' scholarships open during August and close around 30 September each year.

To find out more about University of Sydney scholarships, speak to your careers adviser, and visit our website:
sydney.edu.au/scholarships

Here are some of the many scholarships you might be eligible for:

MERIT AND ENTRY SCHOLARSHIPS

These scholarships are awarded to students with a minimum ATAR of 95.00 (or equivalent) plus other achievements such as leadership skills and community involvement. Merit scholarships cover the standard length of a degree ($6000 per year) and Entry scholarships cover the first year only.

If awarded a Merit scholarship, you need to maintain an average mark of 75 throughout your university studies.

ACCESS SCHOLARSHIPS

These support academically gifted students who can demonstrate financial disadvantage, are from a rural or remote area, or are medically disadvantaged.

They cover the standard length of your degree, and are valued at $6000 per year. You apply for the Access scholarship at the same time as you apply for university through UAC. If you are awarded an Access scholarship you need to maintain an average mark of 65 at university.

FACULTY SCHOLARSHIPS

Many of our faculties offer their own scholarships for first-year students, and scholarships and prizes for current students. Visit the individual faculties' websites for more information about what's on offer: sydney.edu.au/faculties

SCHOLARSHIPS FOR ABORIGINAL AND TORRES STRAIT ISLANDER STUDENTS

The University and the Australian Government offer scholarships specifically for Aboriginal and Torres Strait Islander students, such as the Commonwealth Indigenous Scholarships. You can apply for these through UAC.

SPORTS SCHOLARSHIPS

If you are an elite athlete aiming to achieve excellence in your concurrent pursuit of academics and sport, our Elite Athlete Program is designed for you.

In 2013, more than 390 student athletes, representing more than 35 sports, received valuable assistance through gaining a Sydney Uni Sport & Fitness (SUSF) scholarship and thus membership to the Elite Athlete Program.

Members of the program enjoy a wide range of benefits and services. These may include: financial assistance, international travel grants, academic representation and counselling, tutoring, chaplaincy, access to SUSF facilities, and use of sports science services (dietitian, sports psychology and strength and conditioning).

Applications close in January each year.
For more information, please contact:

Sydney Uni Sport & Fitness
T 02 9351 4960
E sportscholarships@sport.usyd.edu.au
www.susf.com.au

OUTSTANDING ACHIEVEMENT SCHOLARSHIPS

These scholarships, valued at $10,000 per year, are awarded to domestic students with an ATAR of 99.95 or equivalent. They apply for the normal full-time length of your degree, plus an optional honours year.

You do not need to apply for these scholarships, although you need to have a University of Sydney course preference on your UAC application. These scholarships are awarded automatically after the release of ATAR results. The University will contact you if you are successful.

COURSE FEES

COMMONWEALTH SUPPORTED PLACES

All domestic students taking an undergraduate course at the University of Sydney are Commonwealth-supported students. This means the federal government pays a large portion of your fees (subject to the 'fee help limit').

The remainder, your 'student fee contribution', you can pay upfront in full, or obtain a full (or part) HECS-HELP loan, which you start repaying when your income exceeds a certain amount (in 2014, the threshold was $51,309).

To be eligible for a Commonwealth-supported place, you need to:

– be a citizen of Australia or New Zealand or
– hold an Australian permanent resident visa or
– hold an Australian permanent humanitarian visa.

The fees and amount you contribute depend on the subjects you choose, as course costs vary. For example, in 2014 the student contribution for a Bachelor of Science degree was $8613, compared to a Bachelor of Commerce costing $10,085 (see the table opposite for an estimate of costs for different areas of study).

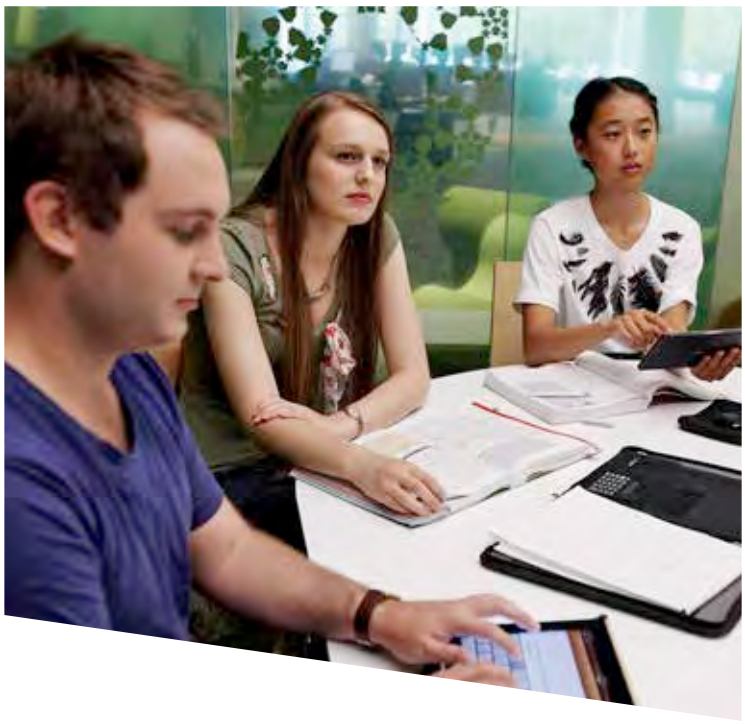
Most Commonwealth-supported students (Australian citizens and permanent humanitarian visa holders only) are eligible for HECS-HELP assistance – the federal government's Higher Education Loan Program. Find out more about fee help limits and options for paying or deferring your student contribution on the government's Study Assist website: www.studyassist.gov.au

If you hold a permanent resident visa (other than a permanent humanitarian visa), or you are a New Zealand citizen (and not also an Australian citizen), you will still be a Commonwealth-supported student but won't be eligible for HECS-HELP, and will need to pay your full semester student contribution upfront without a discount.

For more information on HECS-HELP and Commonwealth support, see www.studyassist.gov.au

"My scholarship afforded me opportunities beyond measure. I represented the University as a student ambassador, was involved in TEDxYouth@Sydney, and gained invaluable experience interning at both IBM and KPMG."

MEGAN LEE
BACHELOR OF COMMERCE (LIBERAL STUDIES),
RECIPIENT OF SCHOLARSHIP FOR EXCELLENCE
IN EXTRACURRICULAR ENDEAVOUR RECIPIENT



STUDENT CONTRIBUTIONS FOR AREAS OF STUDY

Band	Area of study	2014 contribution
1	Humanities, behavioural science, social studies, education, clinical psychology, foreign languages, visual and performing arts, nursing	$6044
2	Mathematics, statistics, computing, built environments, other health, science, engineering, surveying, agriculture	$8613
3	Law, accounting, administration, economics, commerce, dentistry, medicine, veterinary science	$10,085

STUDENT SERVICES AND AMENITIES FEE

All Australian universities charge a Student Services and Amenities fee (SSA fee), set by the Australian Government. In 2014, it was up to $281. This fee supports student services, amenities, advocacy, representation, and similar activities.

Eligible students can defer their SSA fee to the government's SA-HELP scheme, if required.

In order to be eligible for SA-HELP, students need to meet the following criteria:

– be either an Australian citizen residing in Australia or a permanent humanitarian visa holder residing in Australia

– be enrolled in a course of study (or a bridging course for an overseas-trained professional)

– submit a valid SA-HELP debt confirmation form with a tax file number (or a certificate of application for a tax file number), on or before the fee payable date.

Students who are not eligible for SA-HELP need to pay on or before the SSA fee payable date. For more information, visit **sydney.edu.au/ssa-fee**

BURSARIES AND LOANS

University of Sydney bursaries, loans and emergency financial help

Bursaries are non-repayable grants available to local students who are having difficulty paying for their study and living expenses but are making satisfactory academic progress.

Our unique bursary scheme is one of the most generous in Australia. Formerly called the University of Sydney First Year Bursary, the Robert Maple Brown Bursary (worth $2000) is offered to eligible first-year students to help with establishment costs at university.

Students are eligible to apply if they will be enrolled full time; will be in receipt of Youth Allowance, Austudy or any other Centrelink benefit; and can demonstrate financial need due to one or more of the following:

– low socioeconomic status
– rural or isolated background
– living away from home
– disability.

You apply online through the UAC website.

For advice on how to manage your finances or to apply for financial assistance, get in touch with our Financial Assistance Office.

T 02 9351 2416
sydney.edu.au/financial-assistance

SUPPORTING OUR STUDENTS

The University provides a wide range of student services to ensure you are happy, healthy and fully supported to achieve all that you're capable of.

The friendly and knowledgeable staff of our various student support services can help you settle into uni life and access ongoing assistance in a wide range of areas. For more information on these and other services we offer, visit **sydney.edu.au/student-services**

ACCOMMODATION

Choosing where to live may be one of the biggest decisions you'll make when starting at university, but plenty of help is available. if you are moving to Sydney or getting ready to move into your own place, the University's accommodation information website should be your first stop. **sydney.edu.au/accommodation**

You'll find tips on how to decide where to live, budgeting, public transport options and costs, and advice on your rights and responsibilities as a tenant.

If you need further assistance, contact our student accommodation office. Its staff can help you search, and give you advice on your options and useful resources.

On-campus accommodation
If you want to be right at the heart of the University community, why not live on campus?

If you are thinking about coming to live in Sydney for the first time, one popular choice is to stay in a residential college. They're conveniently situated in beautiful campus surroundings and offer a range of support services.

You could also consider Sydney University Village or Urbanest, where you can live in a studio on your own, or in a self-contained apartment with other students.

Most on-campus residences have early application deadlines. Start looking in August if you want on-campus accommodation for the following year. Details are listed on the Student Accommodation Services website.

Off-campus accommodation
The main campus is between Camperdown and Darlington, and is close to Newtown, Chippendale, Forest Lodge and Glebe. Many students live in and around these suburbs. There are many useful resources on our website that can help you find off-campus accommodation in these areas.

Shared housing ranges from about $190 to $250 per week per person. A rented one-bedroom apartment can range from $250 to $450 per week, depending on its facilities, size and location.

ACADEMIC SUPPORT

We offer workshops and materials (online and print) to help you develop the skills you need for successful university study.

The Learning Centre provides resources that can help you sharpen your study and research skills. **sydney.edu.au/lc**

The Mathematics Learning Centre runs free tutorials and group sessions. **sydney.edu.au/mlc**

The Library offers classes and online tutorials to help you acquire skills to research and prepare your uni assignments. **sydney.edu.au/library/skills**

We also offer bridging courses if you need to get up to speed for university study in areas such as grammar, mathematics and science.

DISABILITY SERVICES

If you have a permanent or temporary disability, our Disability Services staff are here to ensure you have equal access to programs and services, and can make the most of university life. They are available at our Camperdown, Darlington and Cumberland campuses. Contact the team before you start university to discuss any adjustments that might need to be made before you arrive. **sydney.edu.au/disability**

HEALTH AND WELLBEING

The University Health Service offers GP services and emergency medical care to students, staff and their families. You'll also find other health and wellbeing professionals on campus, including pharmacists, optometrists, physiotherapists, dentists, psychologists and chaplains. **sydney.edu.au/unihealth**

COUNSELLING AND PERSONAL DEVELOPMENT

Counselling and Psychological Services (CAPS) gives practical advice on how to deal with issues such as anxiety, stress and shyness. It offers a range of free, confidential services to help you build your personal strengths and achieve your goals, including:

- online self-help tools
- workshops that teach key skills for wellbeing
- advice clinics, which provide one-off problem solving and support
- one-on-one sessions with a counsellor/psychologist.

sydney.edu.au/counselling

SPIRITUAL SUPPORT

Our Multifaith Chaplaincy Centre is visited by Anglican, Assemblies of God, Baptist, Buddhist, Catholic, Coptic Orthodox, Islamic, Jewish, Presbyterian, the Salvation Army and Uniting Church chaplains. All chaplains have been appointed by their faith community and are officially recognised by the University. Our Camperdown Campus also offers prayer rooms for Muslim students.
sydney.edu.au/chaplains

ABORIGINAL AND TORRES STRAIT ISLANDER SUPPORT

We offer comprehensive support networks at many levels, providing a safe, respectful and comfortable environment in which you can learn and grow.

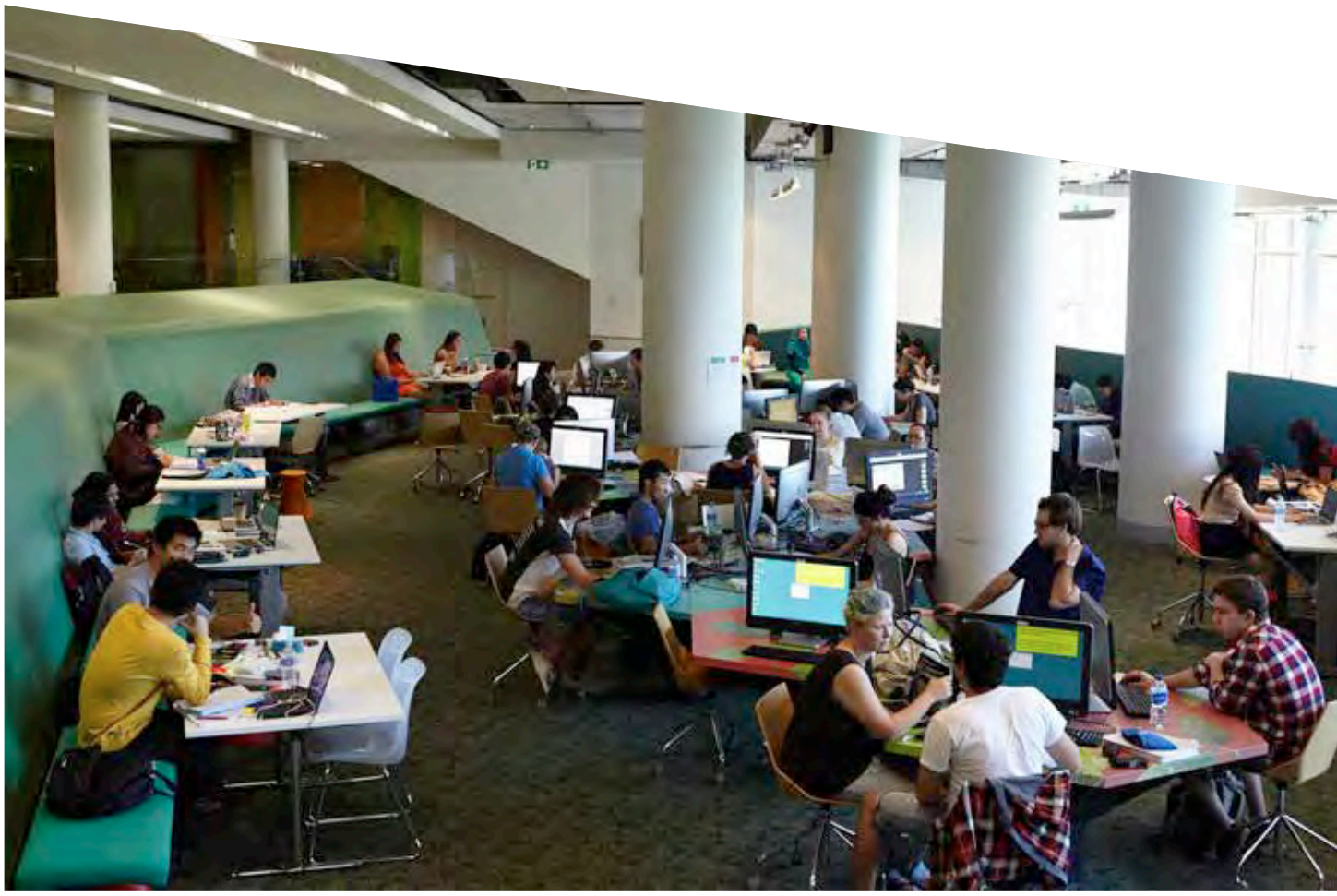
Our Cadigal Alternative Entry Program encourages greater participation of Aboriginal and Torres Strait Islander students in higher education, through assistance with university entry as well as academic and social support.
sydney.edu.au/cadigal

Yooroang Garang is the Aboriginal and Torres Strait Islander student support unit for the Faculty of Health Sciences at our Cumberland Campus. It provides various services and facilities.
sydney.edu.au/yooroang-garang

Aboriginal and Torres Strait Islander students can also access our Indigenous Tutorial Assistance Scheme (ITAS). This Commonwealth-funded program provides free tutoring in one-on-one or group settings, by qualified tutors.
sydney.edu.au/itas

CHILD CARE INFORMATION

If you have young children, we can help you find suitable child care. The University offers five child care centres, with places for more than 200 children aged 0 to five years.
sydney.edu.au/child_care



OPEN DAY
SATURDAY 30 AUGUST 2014
9AM TO 4PM
sydney.edu.au/openday
DISCOVER
YOUR
FUTURE
THE UNIVERSITY OF
SYDNEY

GET CAREER CENTRED

Our Careers Centre provides workshops and guidance to help you plan your career, and develop the skills to move from study to the workplace.

Whether your degree offers a straightforward professional career path or a broader range of options, it's a good idea to take advantage of all the help you can get in planning for your future beyond university.

Our Careers Centre can help you with employment matters from day one, putting you in touch with casual and holiday job opportunities, running career fairs and workshops, and helping you discover the career direction that best aligns with your interests and talents.

We'll help you polish up your resumé, refine your interview skills, connect you with industry and meet potential future employers.

EXPLORE CASUAL JOBS

Throughout your course you may need to find some casual or part-time work. We have an online jobs database and you can subscribe to weekly email job alerts. Last year more than 4000 positions were advertised by employers seeking University of Sydney students.

To apply for casual and part-time jobs, you will need a resumé that is up to date, professional, and relevant to what employers are looking for. We can help. Each semester we run workshops on resumé-writing and interview skills. Afterwards, you can bring a draft of your resumé to our centre and get personalised feedback.

Our Graduate Edge for First Years program is a series of interactive development workshops run by employers. These are designed to give you the professional skills that are most highly sought after by recruiters.

PLAN, GATHER INFORMATION

We run a range of events that will help you gather information about different career paths and understand the skills and attributes you need to succeed after graduation.

Come along to one of our 'Careers in ...' seminars. These tell you what it's like to work in specific professions.

You can also attend our annual Internship and Vacation Work Fair, or the Graduate Jobs and Internships Fair, where you can speak to a range of employers and explore the available opportunities.

We also run specialised workshops on developing the skills needed to transition into the workplace after graduation.

GET INVOLVED

Employers really value the skills that students develop through a broad and active involvement in campus life.

That's why we strongly recommend that you put your hand up for a role in a University club or society that you're interested in. It'll look terrific on your resume and gives potential employers a valuable extra perspective about you.

TALK TO EMPLOYERS – APPLY

During your final year, you'll need to start applying for graduate positions. We can help with this too. Recruitment generally starts in March of your final year, so make sure you come along to our careers fairs, where you'll have the chance to meet potential employers and recent graduates.

Finally, sharpen your employability skills. We hold mock interview sessions and other workshops that support you in finding employment.

sydney.edu.au/careers

HOW TO APPLY

ENTRY OPTIONS AND THE APPLICATION PROCESS

CHOOSE YOUR COURSE

Use this brochure to explore what you can study at Sydney or visit our website to find out what ATAR and other entry requirements you need for the courses you're interested in.

sydney.edu.au/courses

CHECK THE ENTRY REQUIREMENTS

For most courses, entry is based on your ATAR (Australian Tertiary Admission Rank) or equivalent. For some other courses, such as medicine, music, oral health, visual arts or veterinary science, entry may also be based on an interview, portfolio or performance. See page 43 for details.

sydney.edu.au/ug-entry

VISIT US ON OPEN DAY

The best way to get a feel for the campus is to visit us on Open Day. Explore the campus, enjoy the atmosphere, and learn more about our courses and facilities by attending mini lectures, activities and tours. This year, Open Day is on Saturday 30 August 2014.

sydney.edu.au/openday

EXPLORE YOUR ENTRY OPTIONS

If you're not sure you'll reach the ATAR cutoff for your preferred course, read the Access Sydney section (page 42) to see if you're eligible to apply for one of our alternative entry pathways.

sydney.edu.au/access

APPLY FOR SCHOLARSHIPS

We award more than 500 scholarships to undergraduate students each year. See page 45 to learn more about them. Most scholarship applications are due by **early October 2014**.

sydney.edu.au/scholarships

APPLY THROUGH UAC

You should submit your application online through the Universities Admissions Centre. On-time applications are due by **30 September 2014**. A late fee applies to applications after this date.

www.uac.edu.au

WHAT'S NEXT

ENROLMENT AND ORIENTATION

COME TO INFO DAY

Info Day on Tuesday 6 January 2015 is an opportunity to visit us, discuss your options and finalise your subject choices. You will be able to talk with academics and current students, attend mini lectures, and get the answers to any questions you still have.

sydney.edu.au/infoday

RECEIVE YOUR OFFER

The University of Sydney makes the majority of offers in three of the UAC offer rounds – main, late and final. After UAC has received your high school results, you will be sent an offer for your highest preference where you meet the entry requirements.

sydney.edu.au/start/offers

ACCEPT YOUR OFFER AND ENROL

If you receive an offer to study with us, congratulations! The next step is to accept your offer. You do this by enrolling in your chosen course.

sydney.edu.au/start/enrolment

ATTEND ORIENTATION AND O-WEEK

Orientation is an action-packed opportunity to dive into the social and academic experiences of campus life. It's a great time to make friends, attend official welcome events, and enjoy a huge and varied program of entertainment. Orientation happens in the first week of semester.

sydney.edu.au/orientation

The University of Sydney Union (USU) runs the three-day O-Week festival during Orientation Week – the largest event of its kind in Australia.

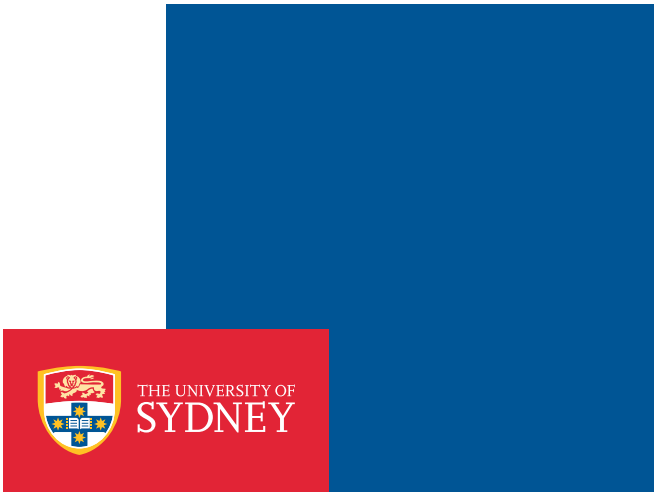
www.oweek.com.au

SEE FOR YOURSELF

There is only so much a guide can tell you about what it means to be a University of Sydney student. So jump online, and watch a few of our videos to see what student life is really like.

www.youtube.com/user/uniofsydney

Student Recruitment and Admissions Group
T 1300 362 006
E future.students@sydney.edu.au
sydney.edu.au



Produced by Marketing and Communications and the Student Recruitment and Admissions Group, the University of Sydney, February 2014.
The University reserves the right to make alterations to any information contained within this publication without notice. 14/3376

This publication is printed on PEFC certified paper. The paper is certified under the Programme for the Endorsement of Forest Certification scheme (PEFC) which assures consumers that the utilized forestry products can be traced from a certified, responsibly managed forest through all stages of processing and production by a chain of custody process.

PEFC Certified
This product is from sustainably managed forests and controlled sources
Recognised in Australia through the Australian Forestry Standard
www.pefc.org.au
PEFC
PEFC/21-31-05

ABN 15 211 513 464
CRICOS 00026A